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INDUSTRIAL CHEMISTRY

DECEMBER, 1942 - MARCH, 1944 (INCLUSIVE)

DR. W. W. SKINNER, CHIEF OF BUREAU

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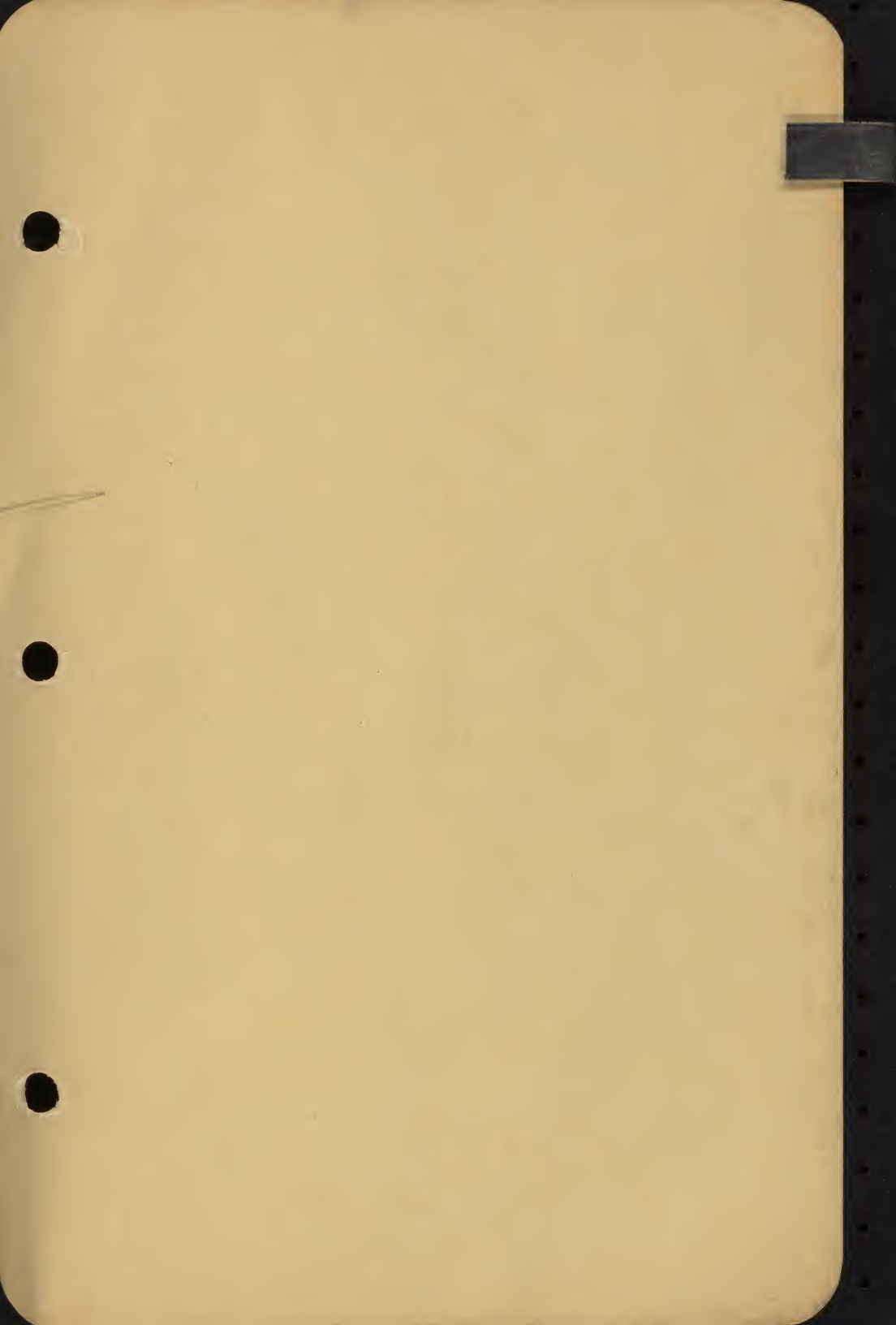
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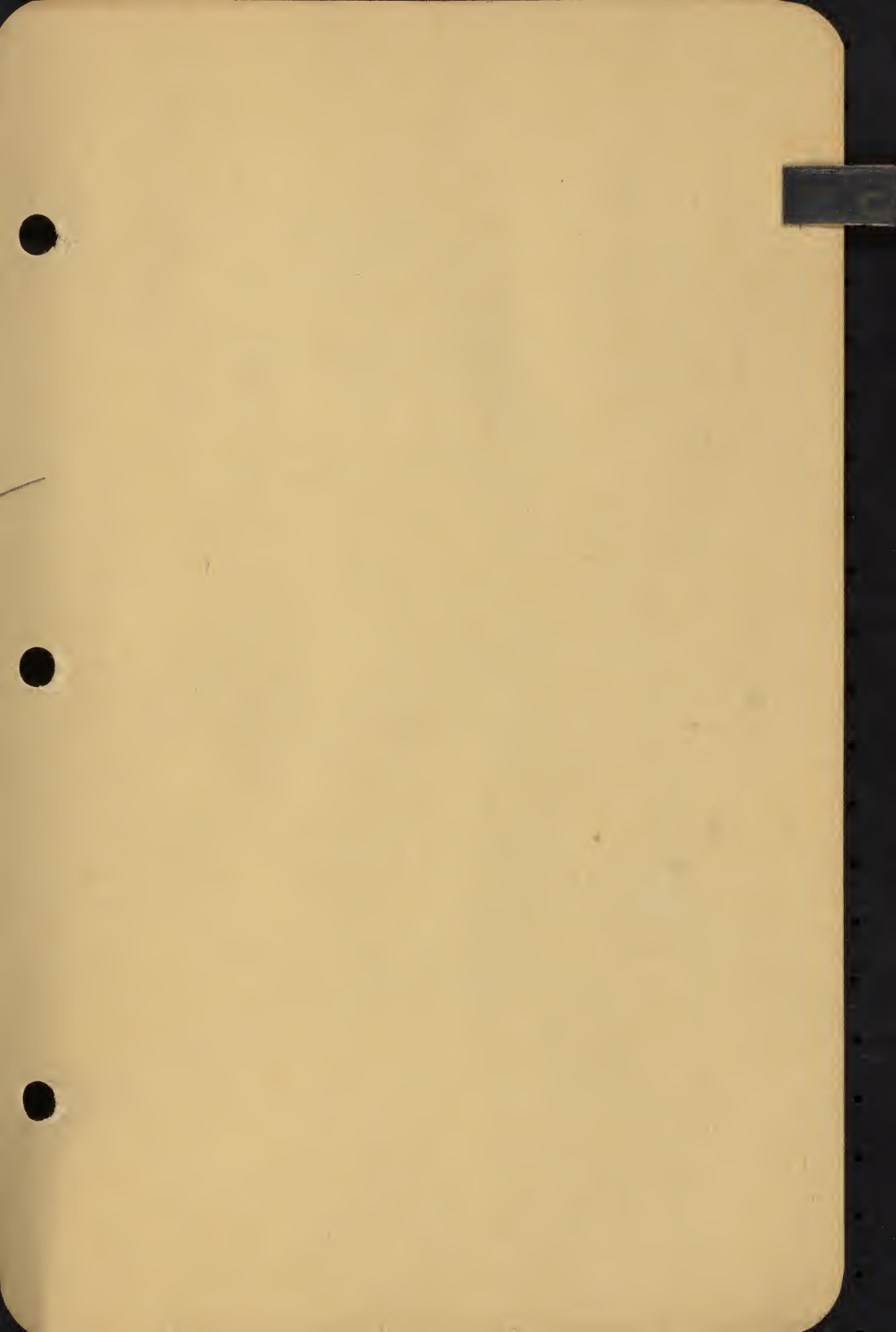
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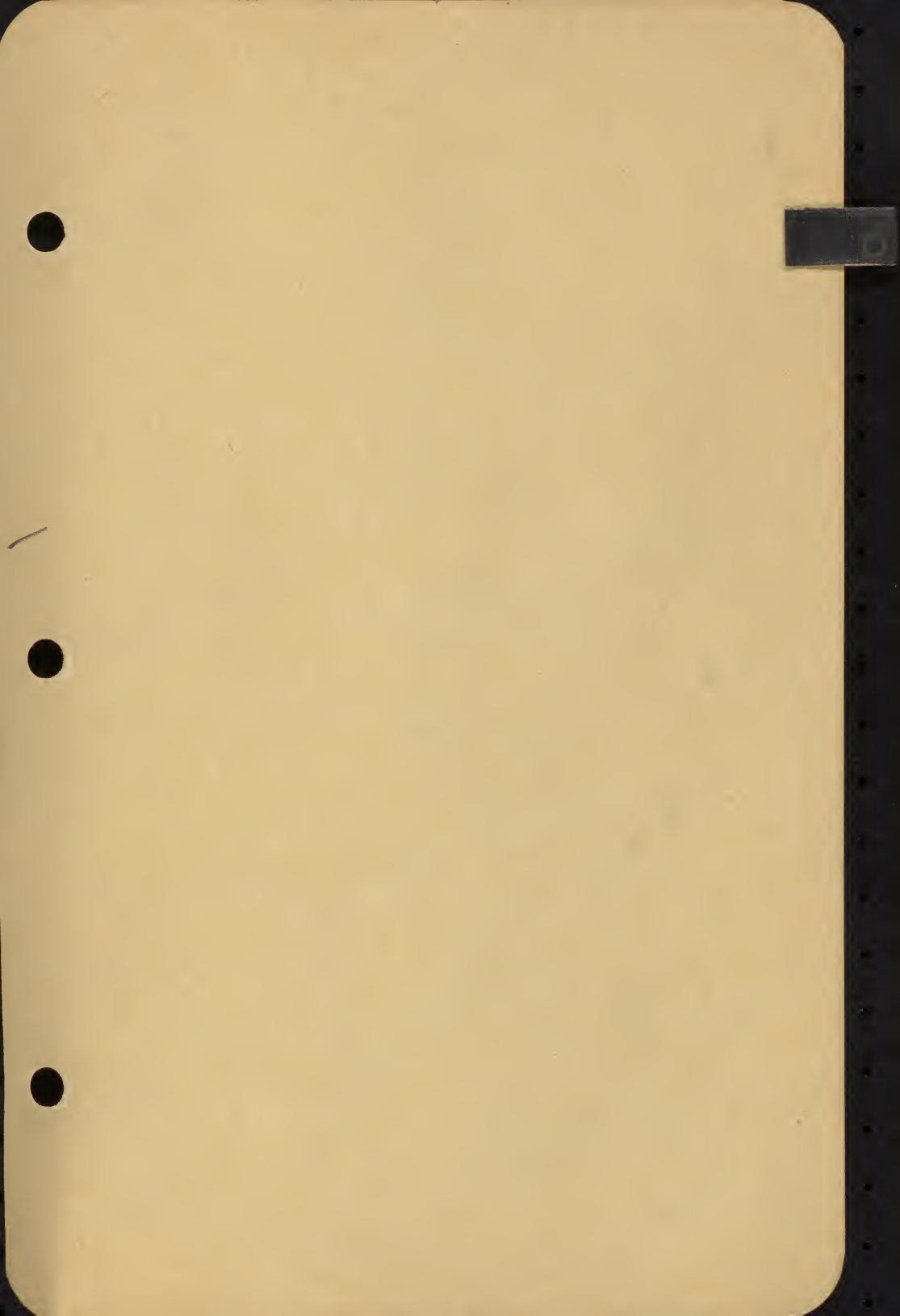


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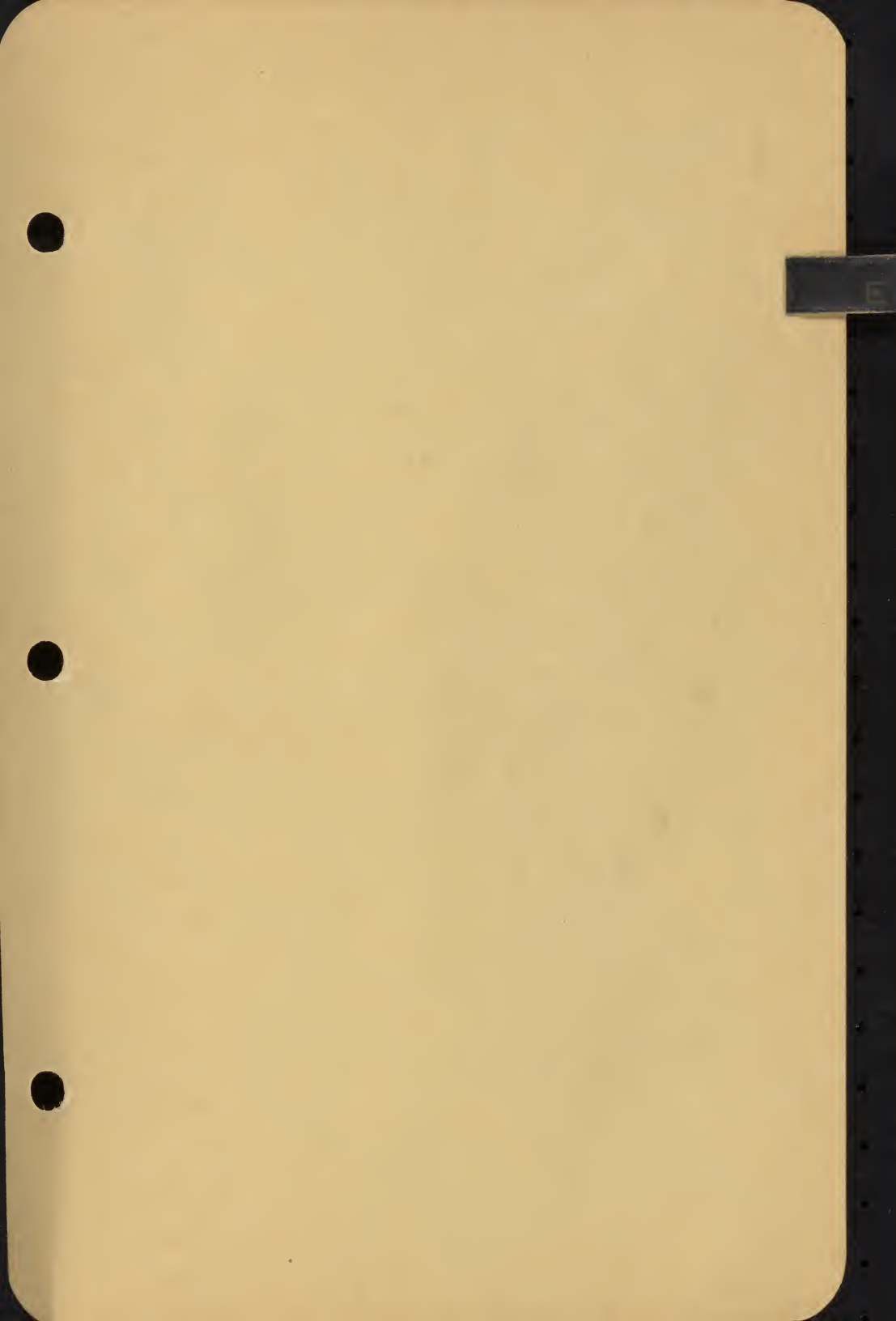


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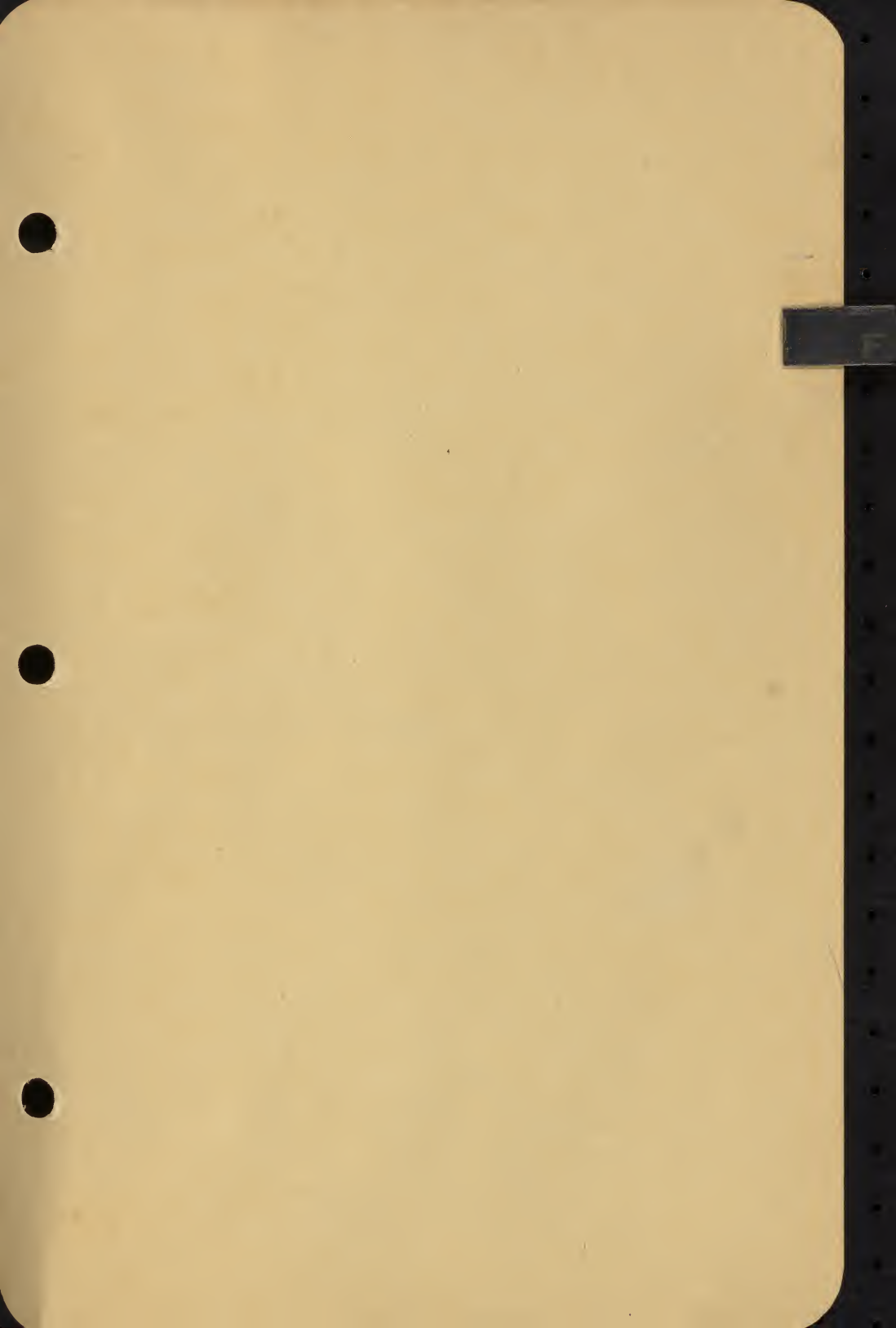
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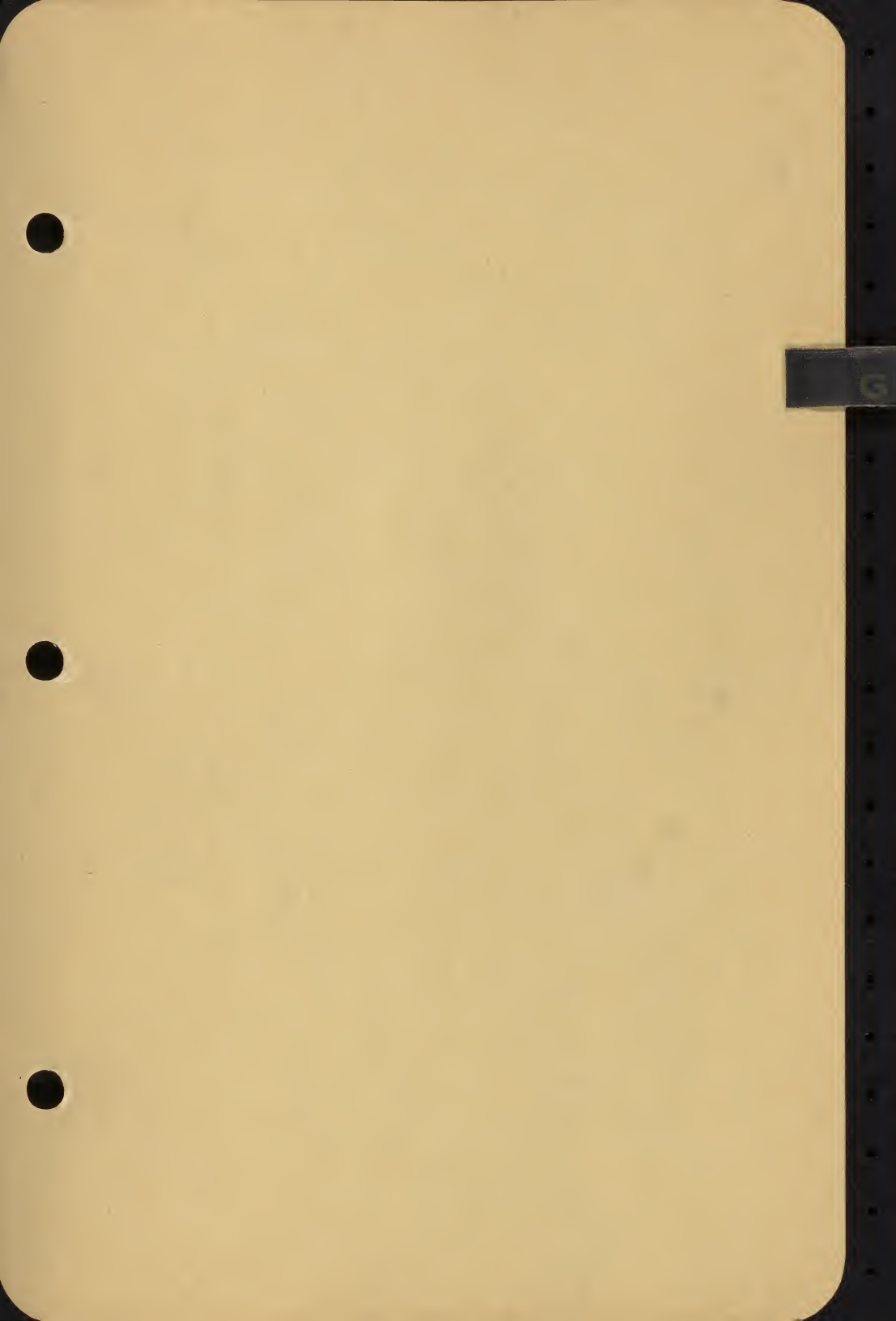
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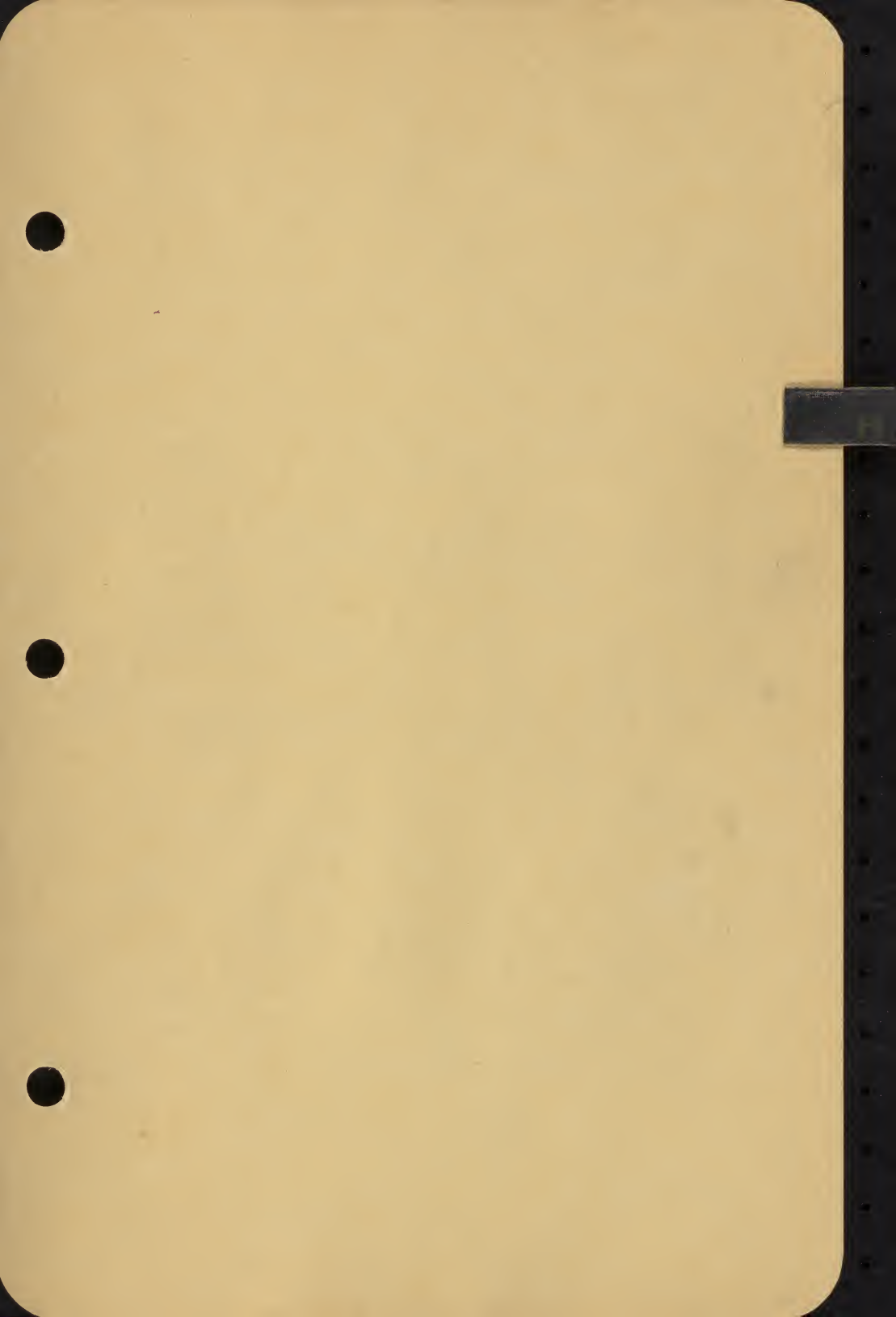
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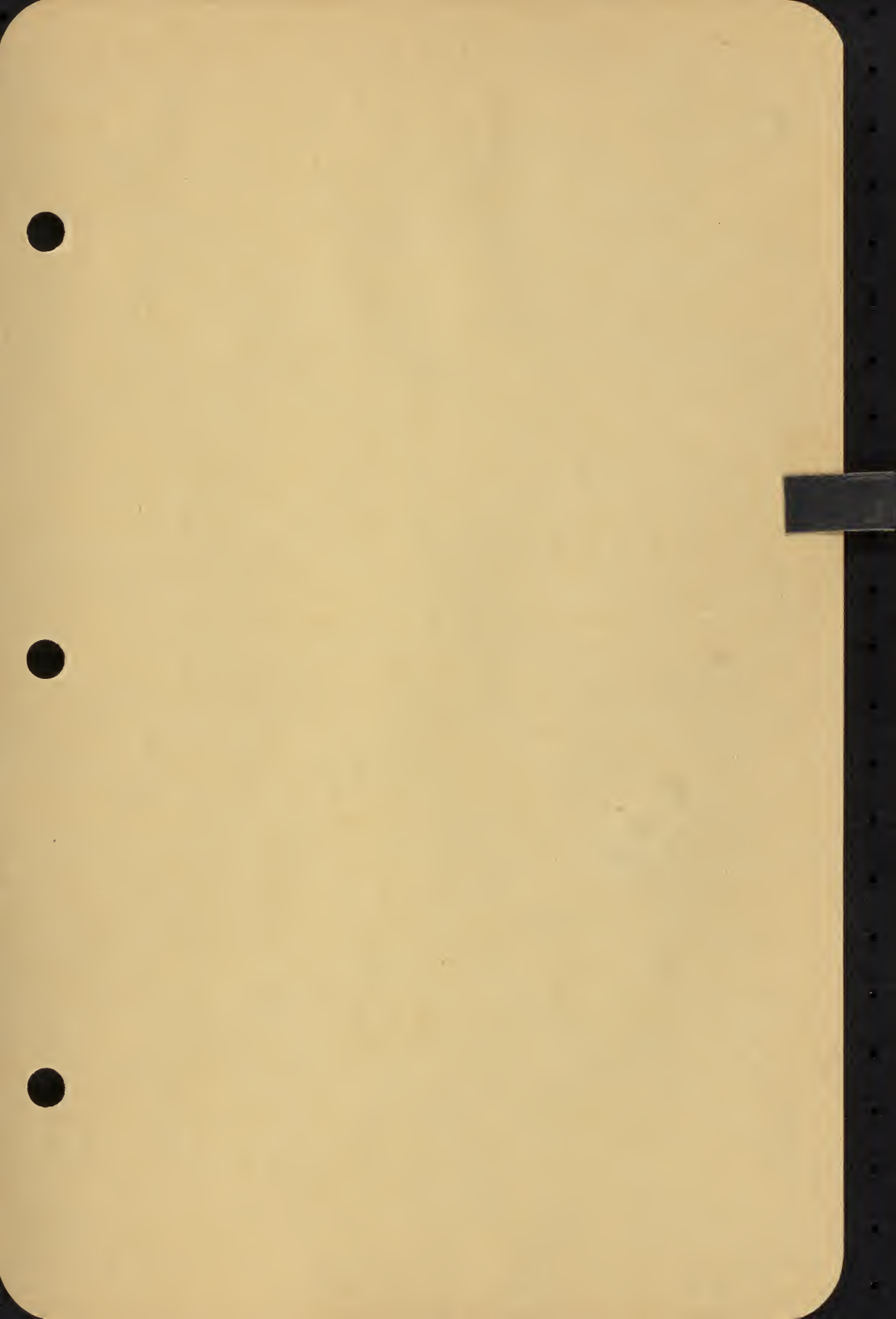


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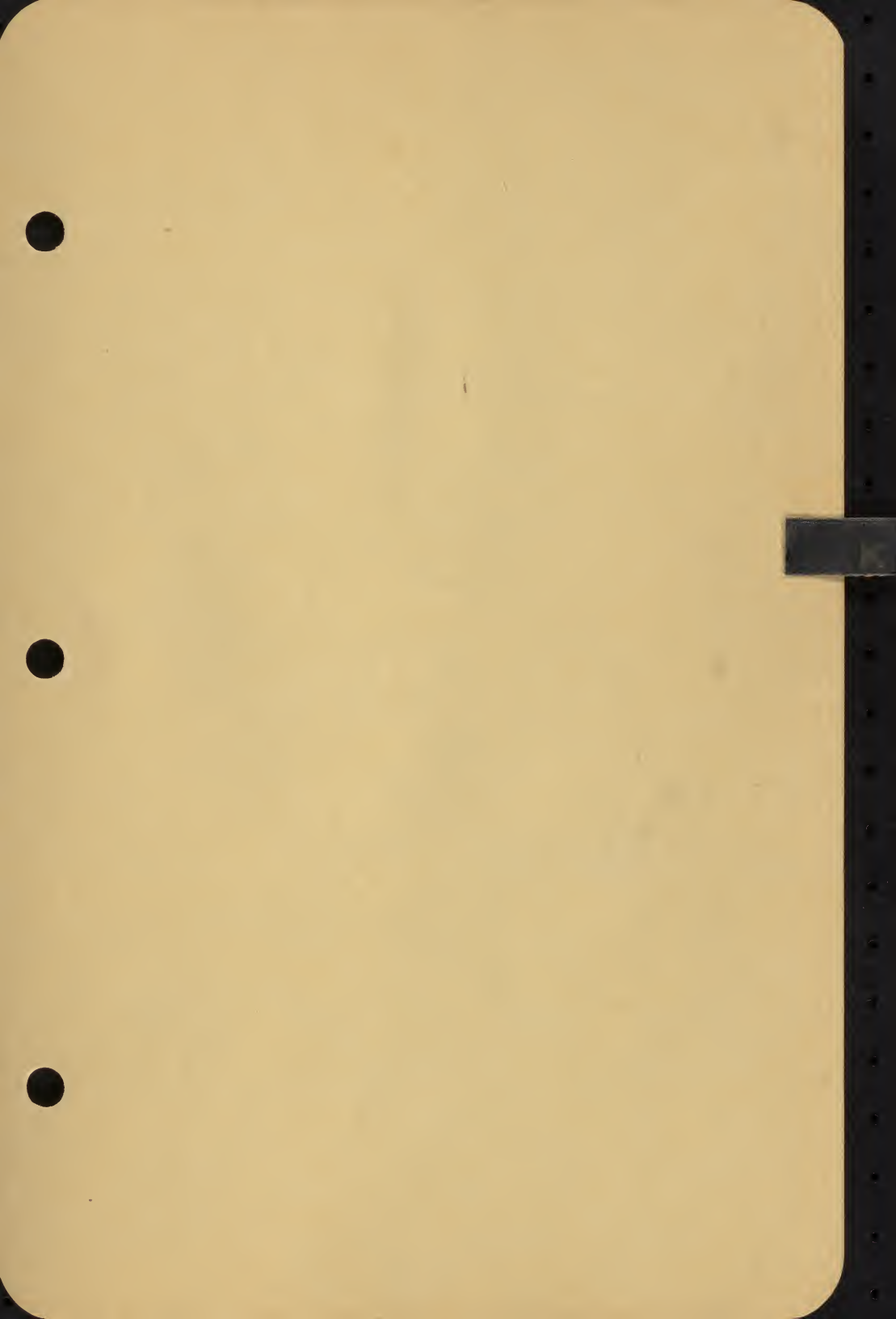


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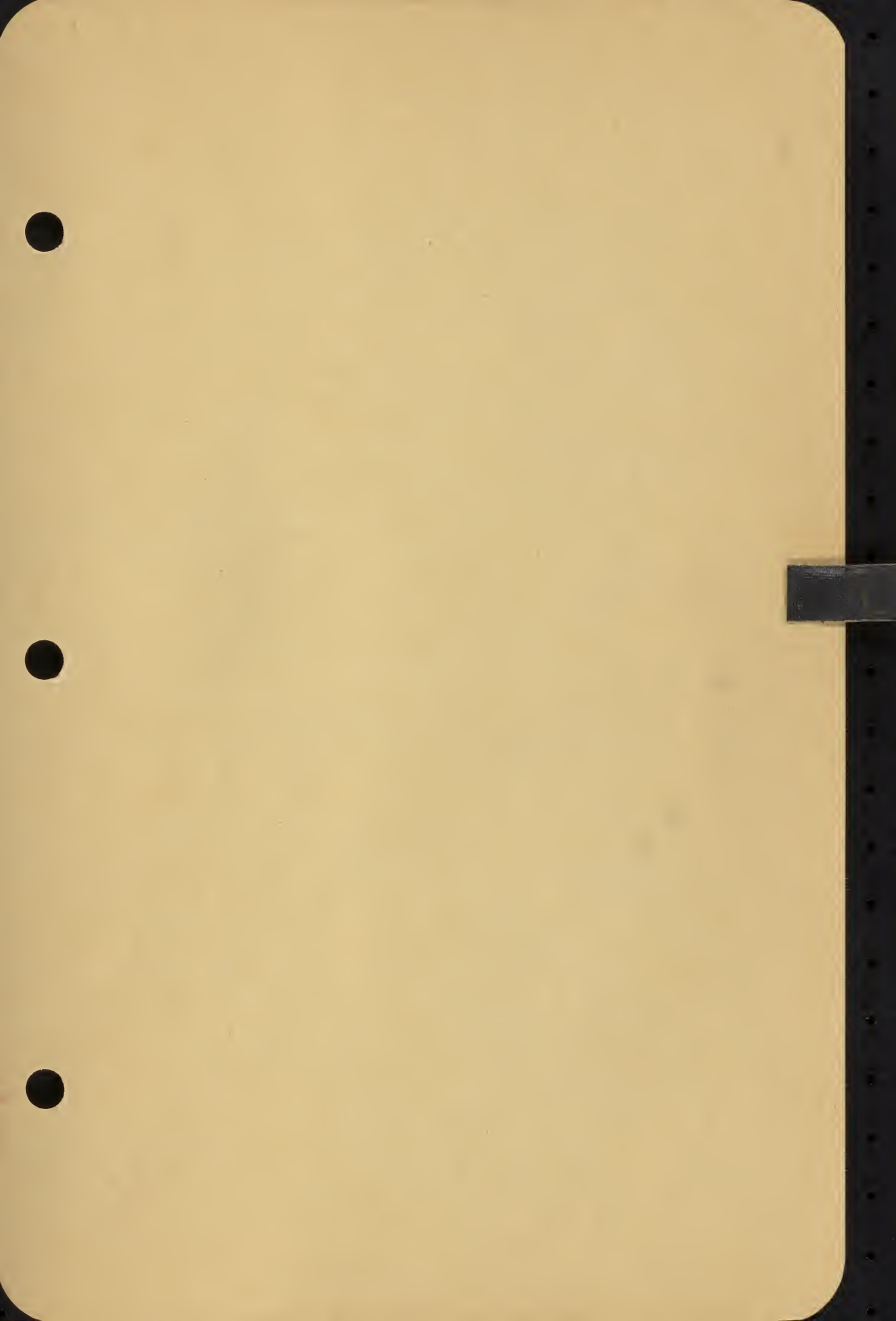
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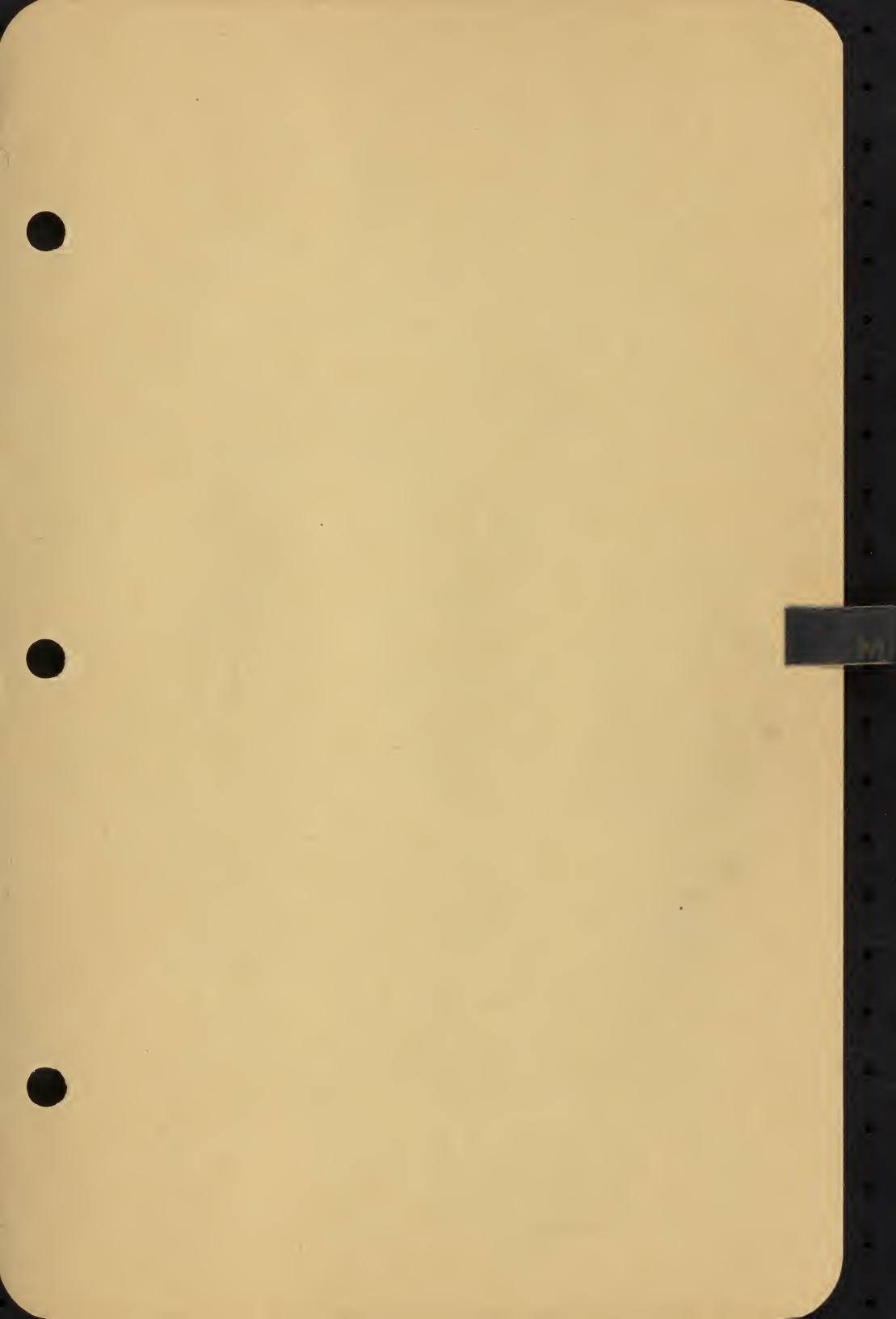
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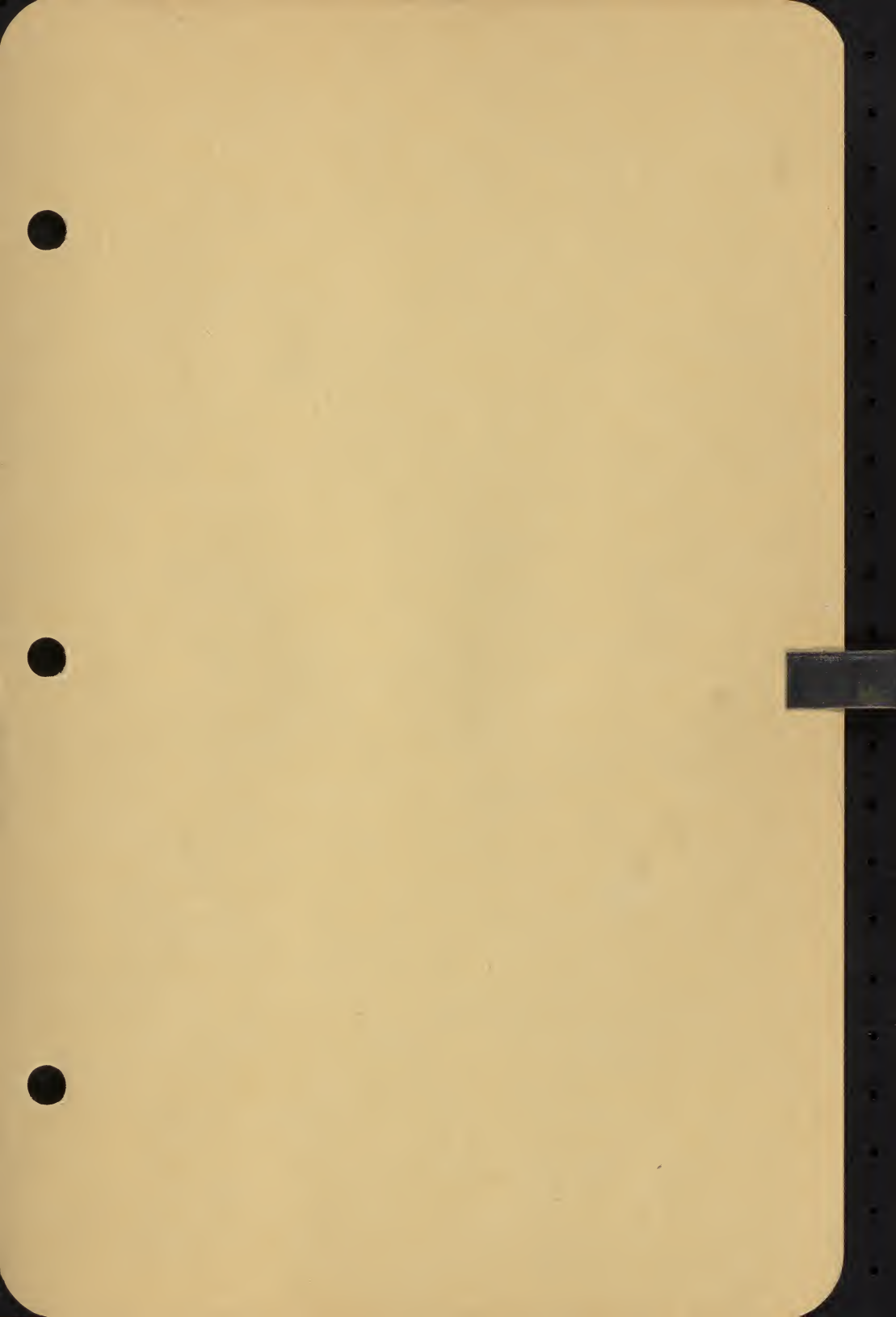


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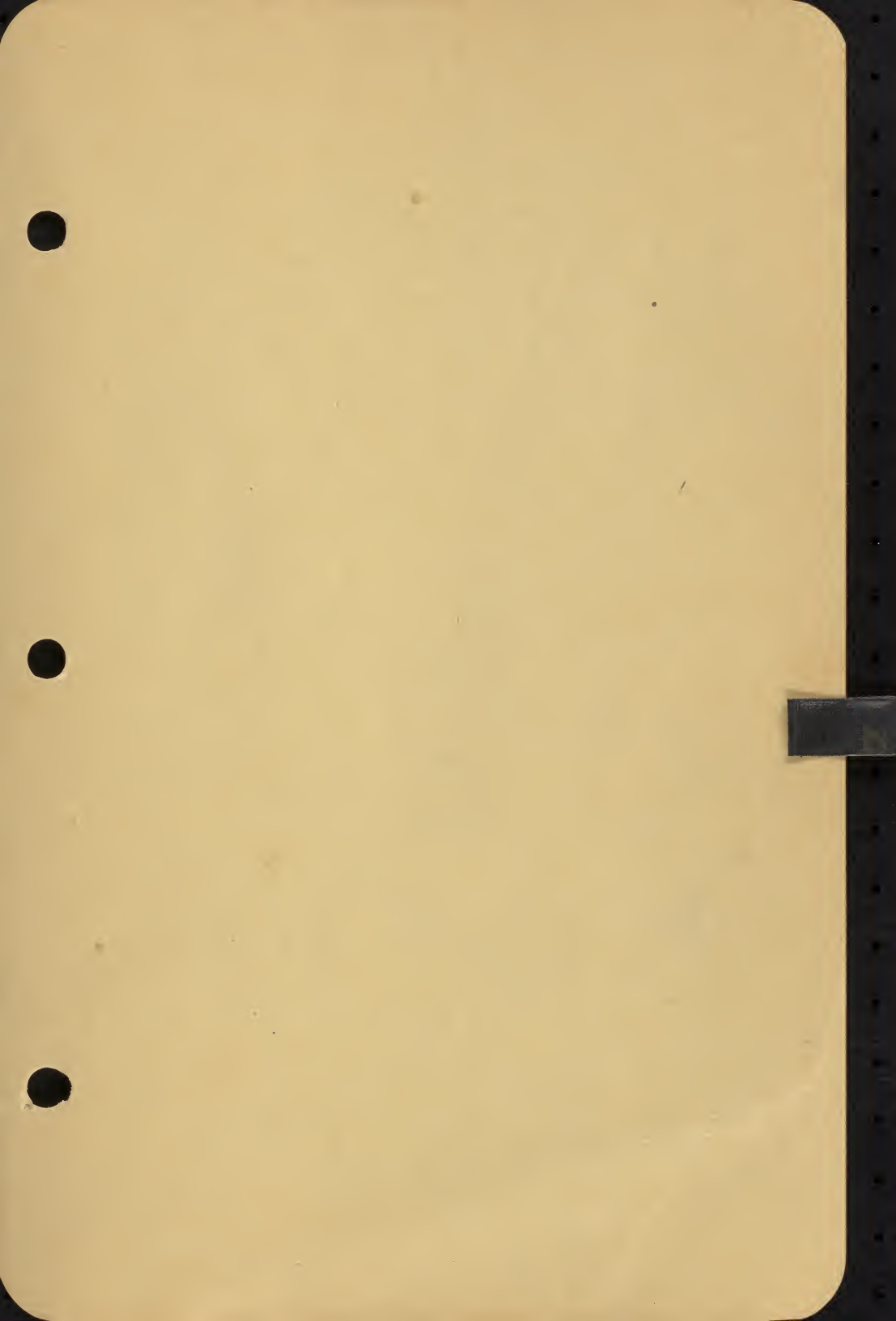


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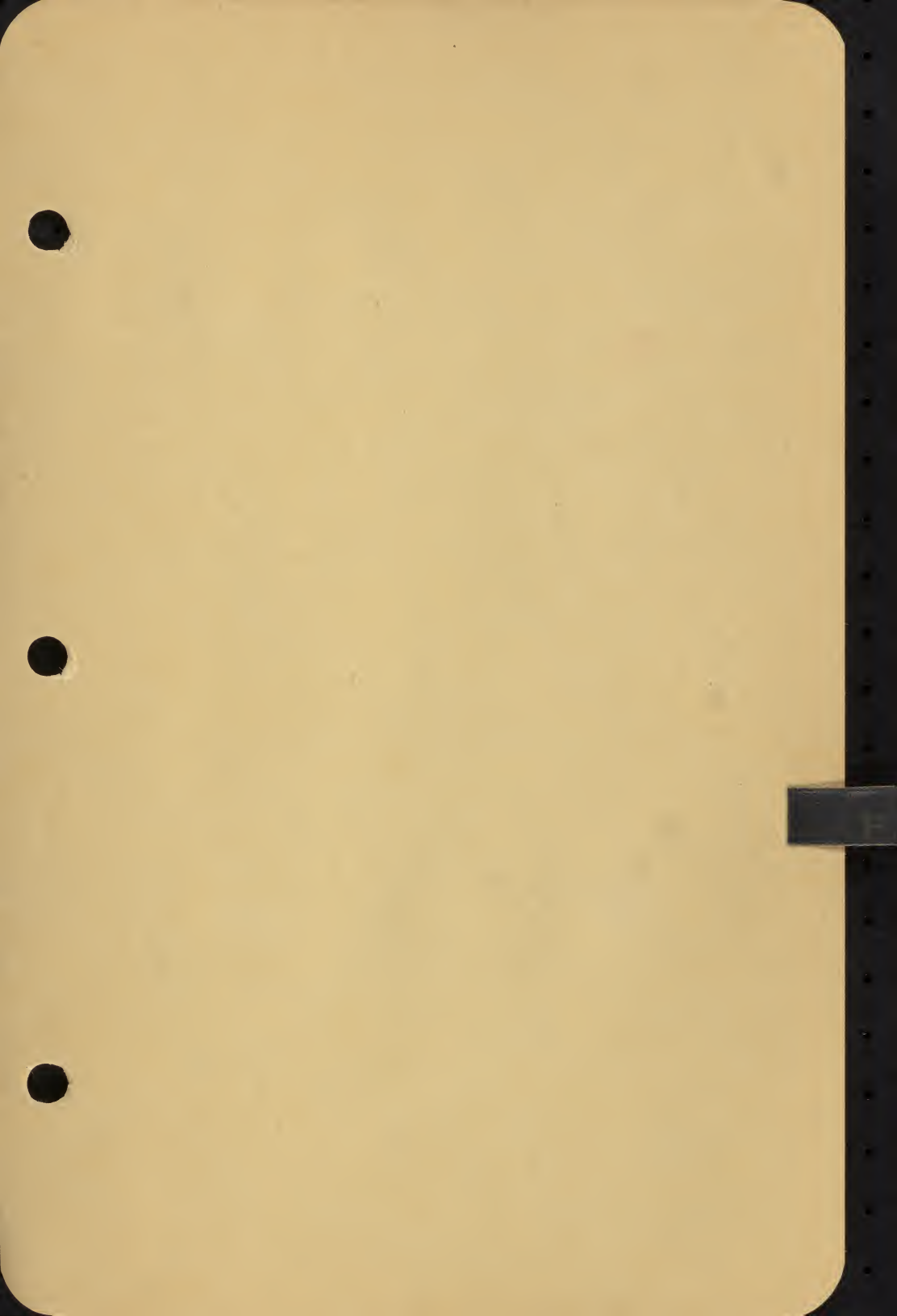
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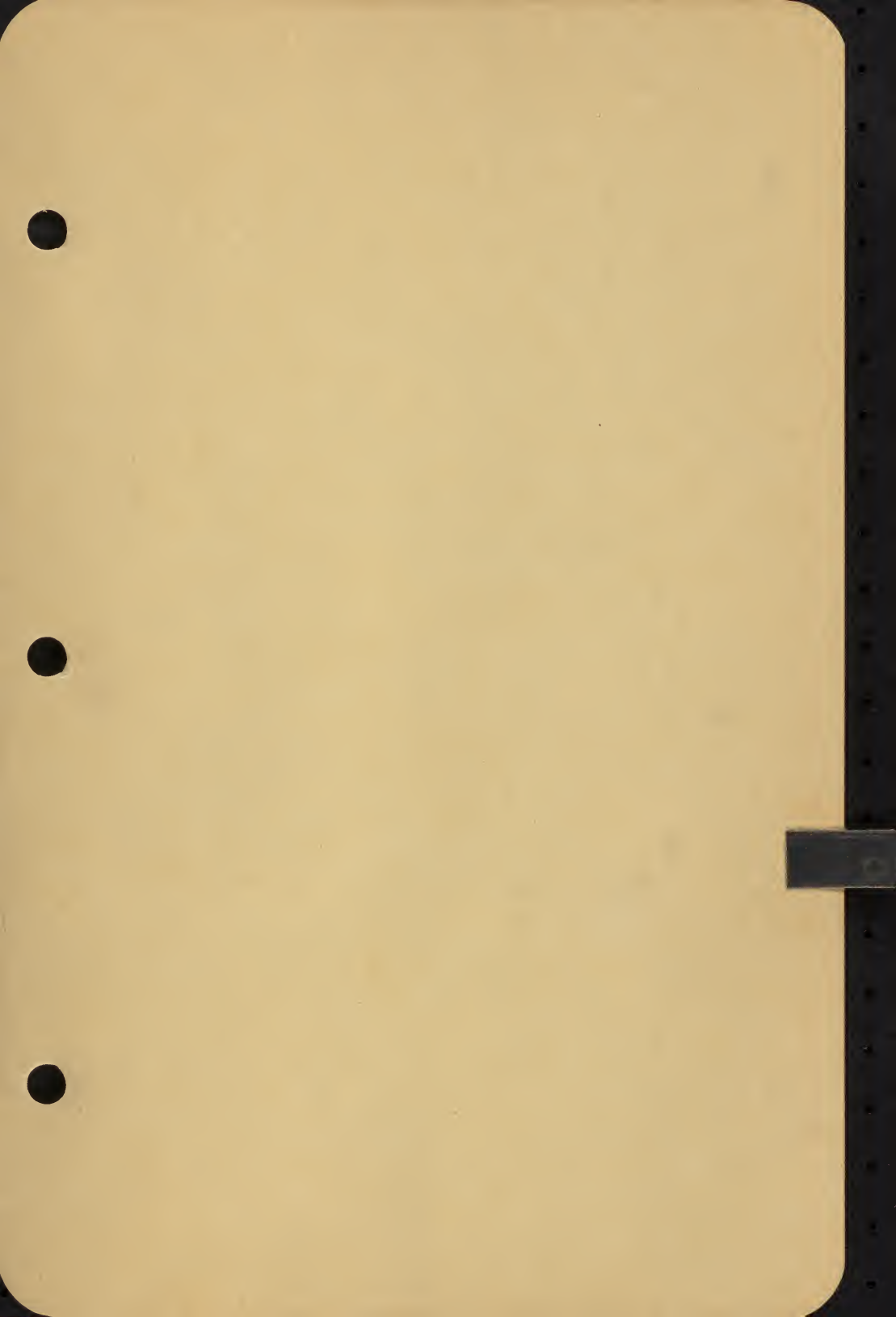


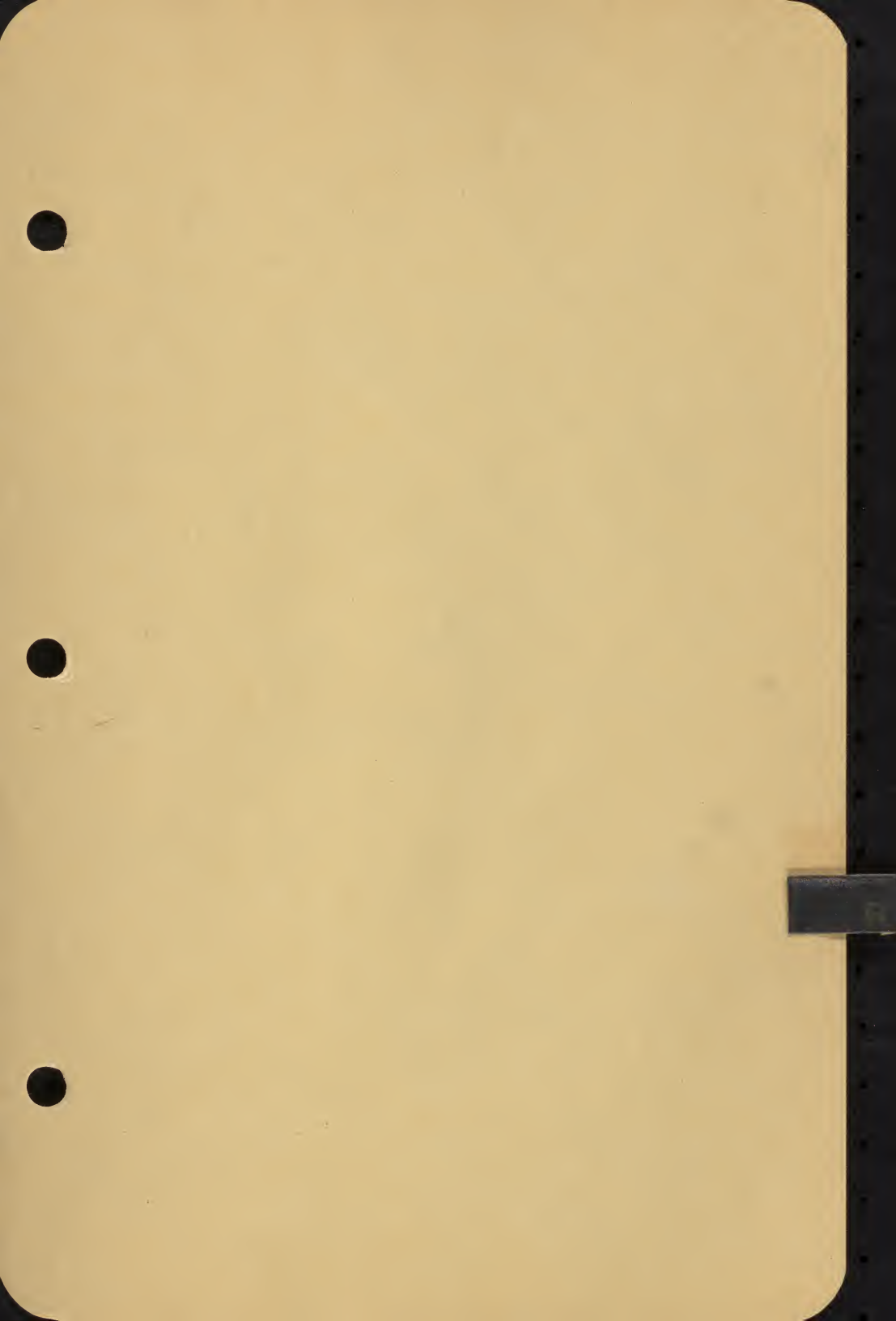
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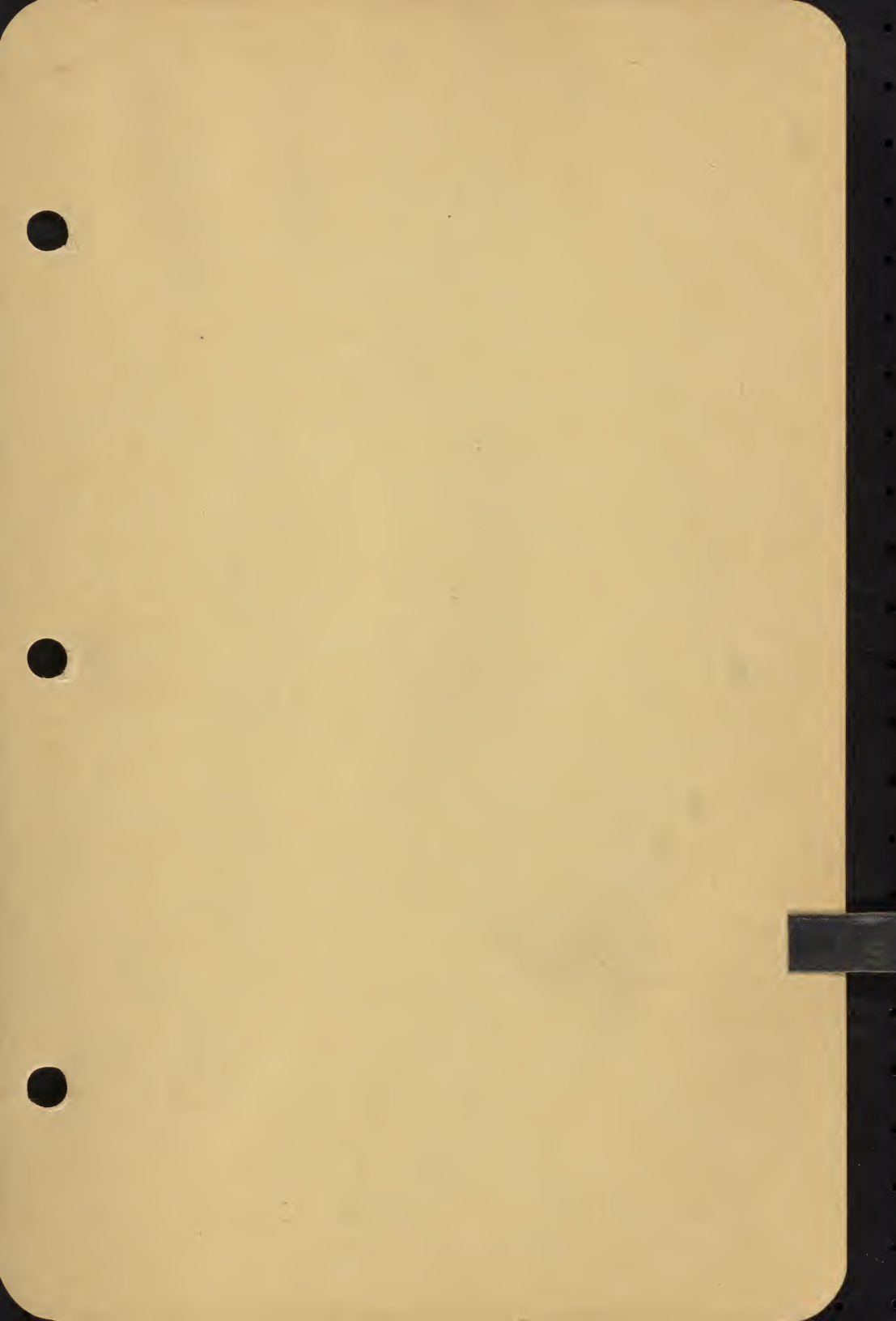
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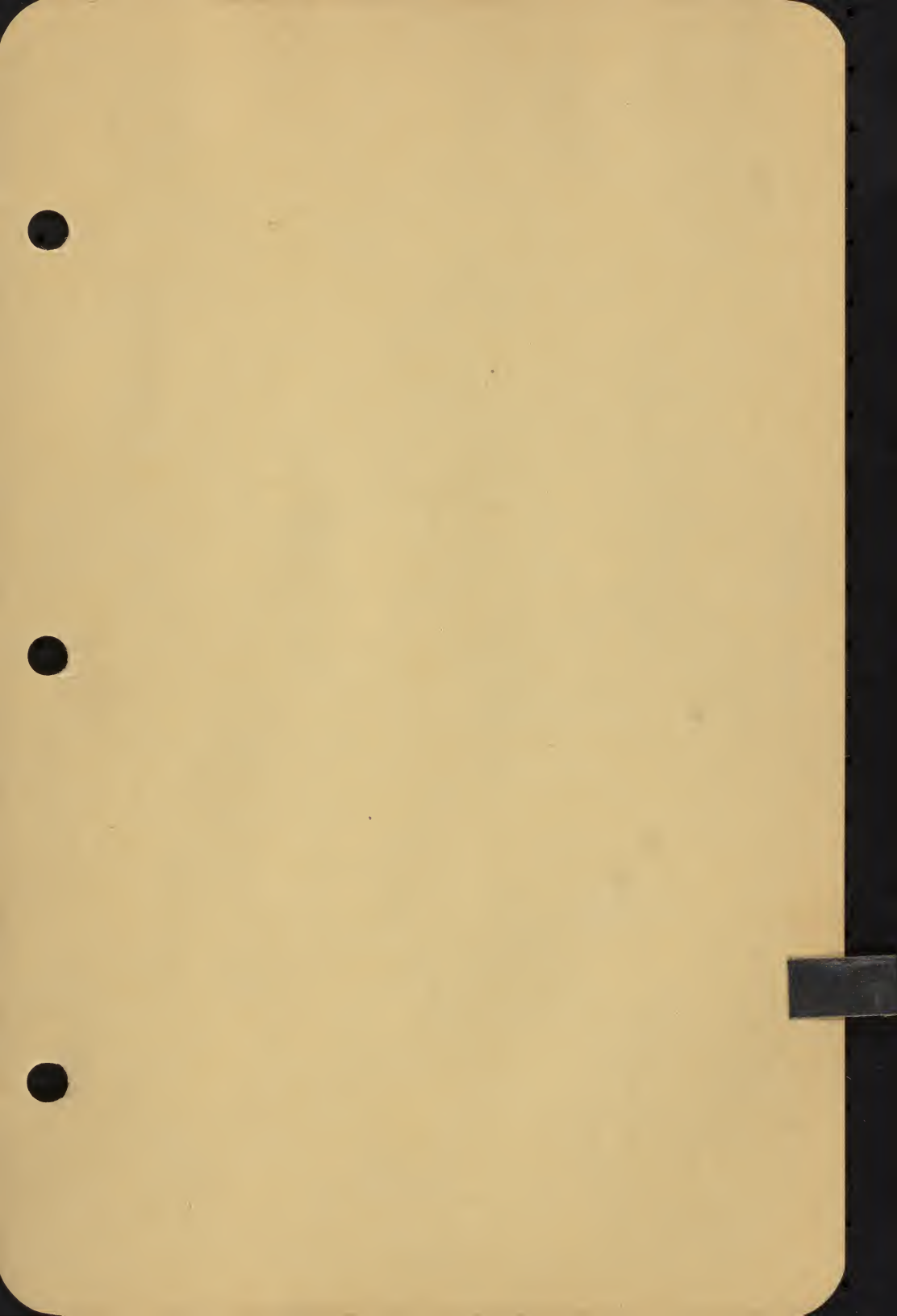
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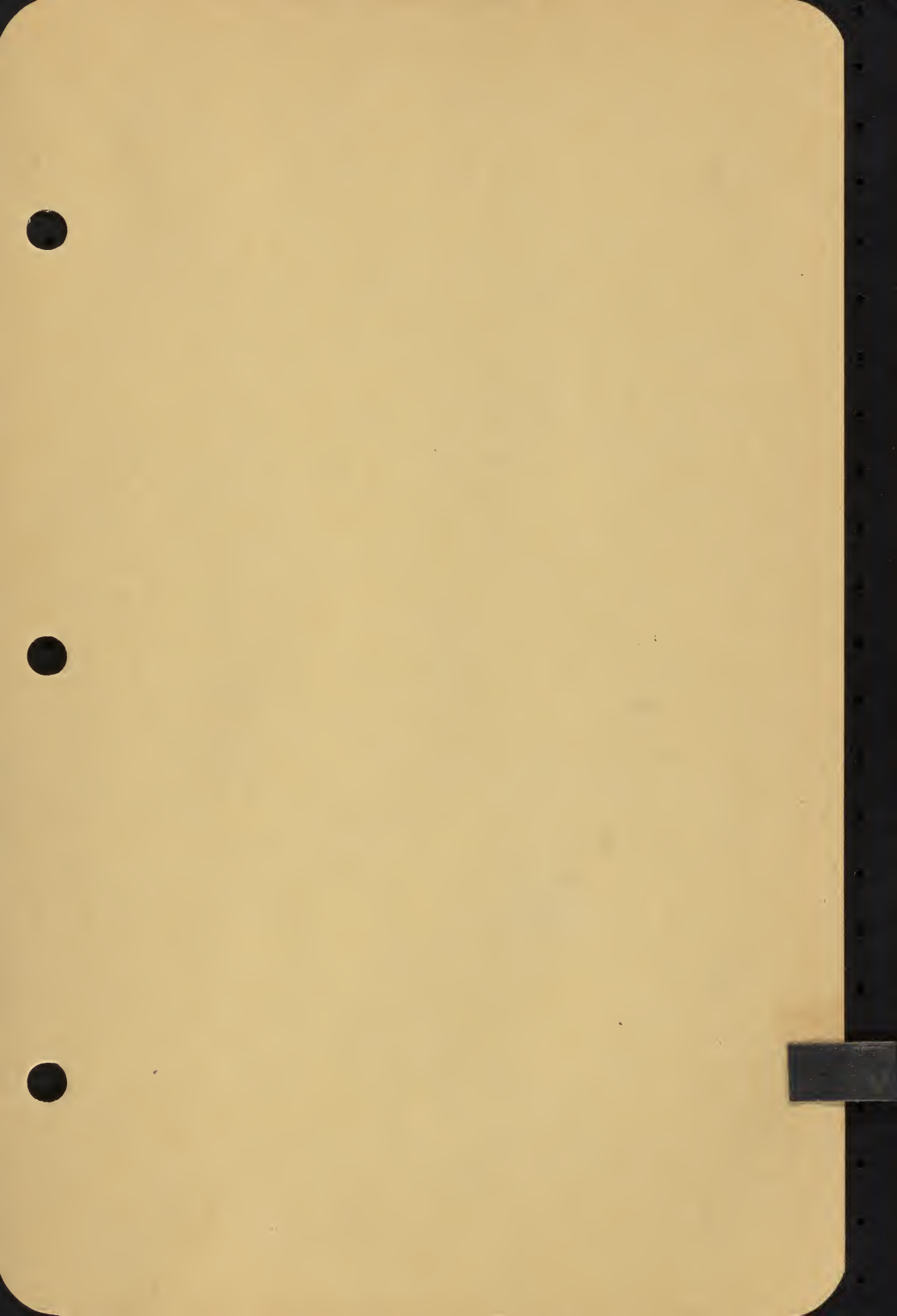
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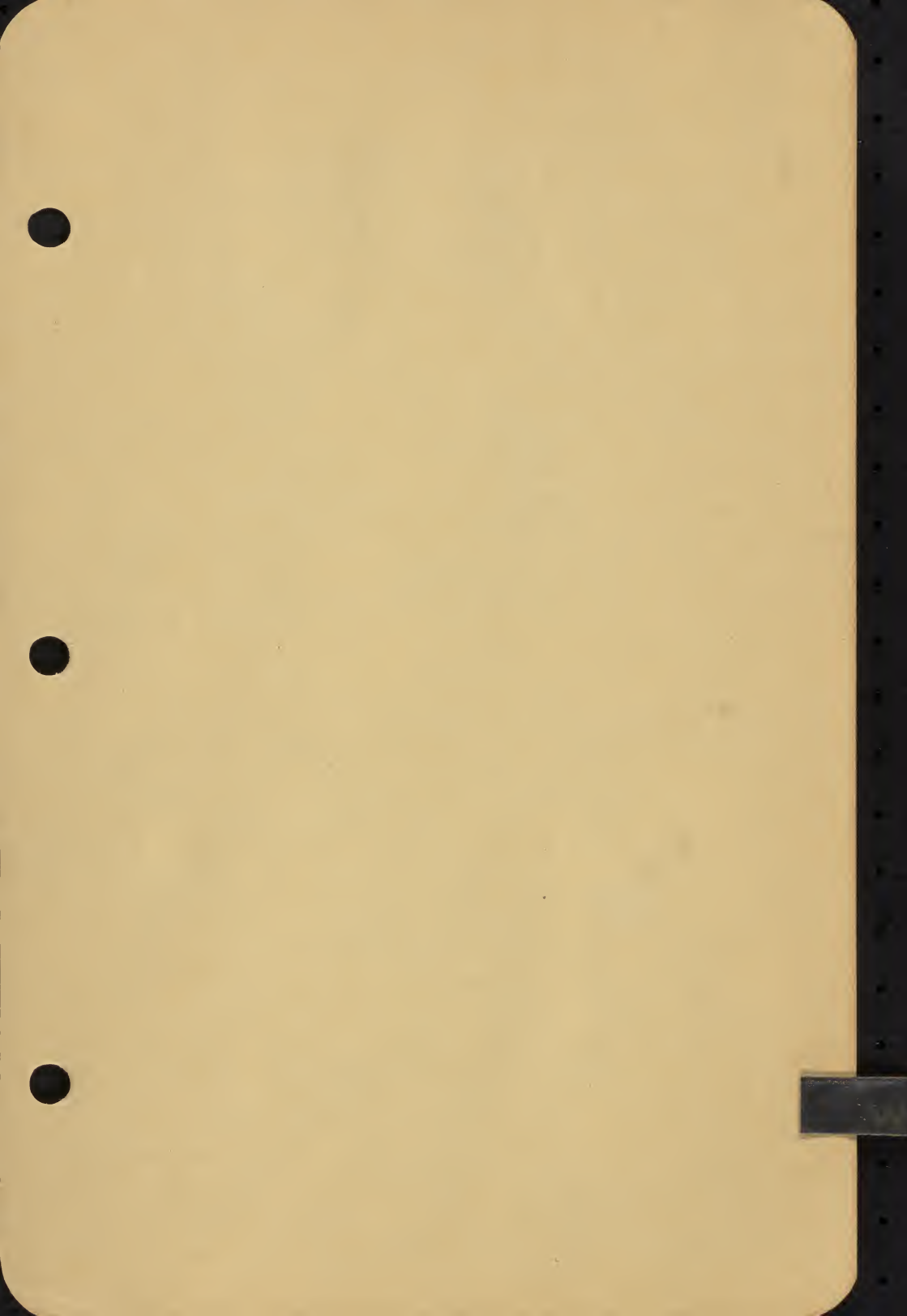
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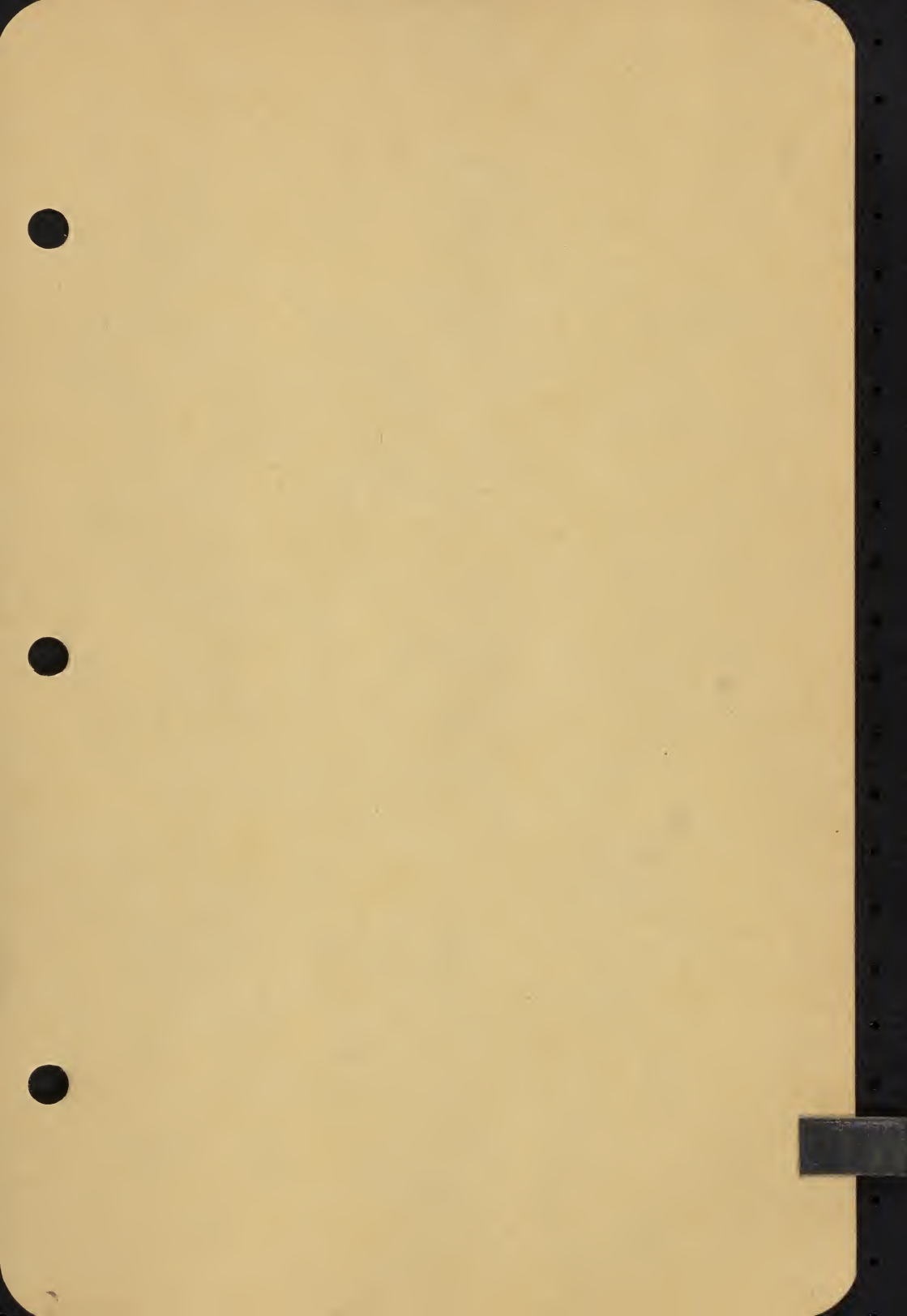


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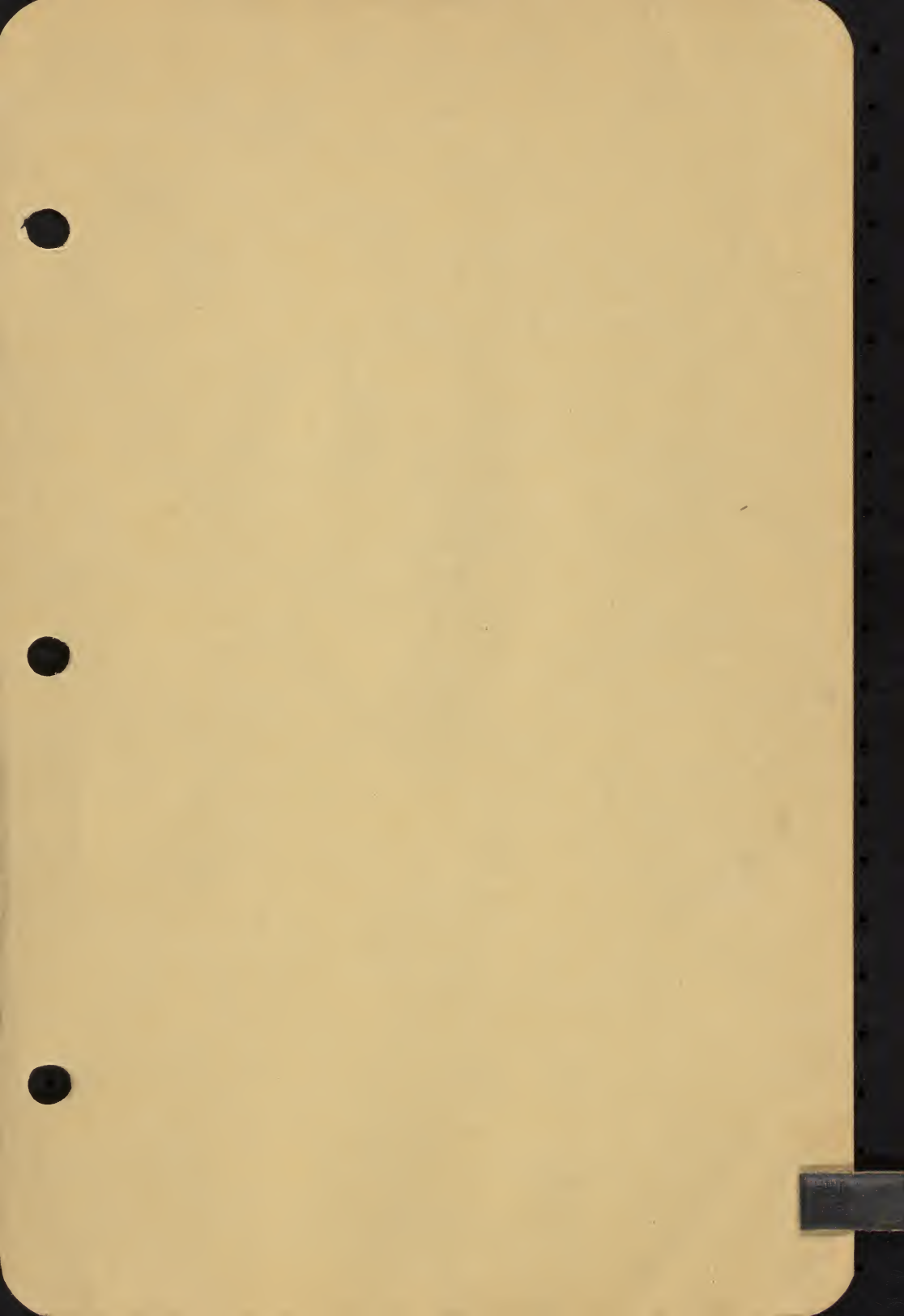
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January



Thursday, January 6, 1944

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Dr. Brother called to report on the condition of the work at Owings Mills.

Dr. May, Mr. Herrick, Dr. Coghill and Dr. Skinner conferred with Dr. Auchter relative to the plan for developing the work on penicillin synthesis with Dr. Richards. Dr. Auchter agreed that the first thing would be to find out what Dr. Richards had in mind, and Dr. Coghill, Mr. Herrick and Dr. May were instructed to confer with Dr. Richards that afternoon.

Dr. Auchter asked Dr. Skinner to remain for a few minutes after the others left, at which time he advised him regarding the filling of the position as Chief of the Bureau and asked Dr. Skinner to submit to him certain information that would be necessary in making the announcement of Dr. Skinner's retirement. Dr. Auchter said that he wanted this information kept confidential for awhile, but that it might be conveyed to Mr. Speh. Dr. Skinner pointed out that he would have to discuss the matter with Mr. Donovan because certain legal requirements would have to be complied with in regard to notices about retirement. Dr. Skinner stated that he thought that according to the Retirement Act Dr. Auchter would have to give Dr. Skinner at least 60 days notice before his retirement. Dr. Auchter expressed some surprise at this and upon inquiry was told by Dr. Skinner that his retirement was fixed by law as of March 31 and that if he were right about the provision of the 60-day notice, then this must be issued on or before January 31.

Friday, January 7, 1944

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Mr. Groggins called about the proposed visit of Groggins and Schaeffer to Owings Mills on Tuesday, the 11th. It was agreed that Mr. Speh, if possible, should accompany them.

Dr. Brother called to report on the work at Owings Mills.

Mr. Herrick, Dr. May, Dr. Coghill and Mr. Donovan had a conference in Dr. Skinner's office regarding the proposed memorandum of agreement with the OSRD. It was understood that Dr. Richards would agree to the proposed change by substituting "or" for "and" in the proposed contract. It was understood that Dr. Auchter would take the matter up with Judge Tarver before final action.

Dr. Skinner called the Southern Laboratory and talked with Mr. Lynch, ~~and~~ in the absence of Mr. Paine. The data which Dr. Auchter wants to consider on the morning of the sorghum conference, January 17, was discussed.

Mr. F. B. Linton of the F&DA called and advised Dr. Skinner that he expected to retire in July.

Monday, January 10, 1944

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Dr. Brother called to report on the progress of the work at Owings Mills.

Dr. Mottern called on long distance phone about expediting his patent application. Dr. Skinner told him it was now before Dr. Auchter's office and he would have to be advised later about the action.

Tuesday, January 11, 1944

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Dr. Skinner called Mr. Paine on long distance about his trip to Florida and suggested that he meet Mr. Teuton and Dr. Skinner at Winter Haven on the 25th. Mr. Paine was advised that Mr. Teuton and Dr. Skinner would leave here on the ACL at 4 o'clock on the 24th.

Dr. Brother called about progress of work at Owings Mills and stated that he and Mr. Tucker were planning to come to Washington on the 13th.

Dr. Skinner called SRRL on long distance and requested that Mr. Lynch and Mr. Paine come to some decision as to what aid could be given, if necessary, to the purchase of equipment for the sorghum sugar work.

Mr. Tucker and Dr. Brother came in to discuss the preparation of the statement which was to be filed with the Park & Tilford Co. as a result of the work at Owings Mills. This was approved and copies sent to Park & Tilford, to Dr. May, Dr. Swenson and Dr. Balls.

Dr. Auchter conferred with Dr. May, Dr. Skinner and Mr. Speh about his conference with Judge Tarver and reported that the Judge was not willing to go along with the proposition of the synthesis of penicillin. Dr. Auchter advised therefore that everything in regard to penicillin be held in abeyance for a few days, including the contract providing for our participation in the general conference on this subject. Dr. Auchter reported that Judge Tarver was not at all sympathetic to the additional work on penicillin.

Mr. Tucker, Dr. Brother, Mr. Speh and Dr. Skinner conferred on the general plan for the protein work for the future and it was decided that Dr. ~~Ralix~~ Brother would stop at Midway and Frankfort on his way West. Mr. Tucker would go on annual leave until January 21 and would, on his return from New York, stop to visit the Owings Mills plant to determine if the instructions which had been given in writing for the operation of the plant had been complied with. Mr. Tucker was advised to stop at Louisville on his way West.

Dr. Skinner talked with Mr. Edwin L. Moore at Winter Haven and instructed him to remove from the manuscript on ascorbic acid from citrus products the second paragraph which refers to the work of Fraps. This Dr. Moore agreed to do.

Dr. Skinner discussed with Mr. Paine on long distance the data for the conference on January 17 in Dr. Auchter's office regarding the sorgo sugar program. Mr. Paine asked if he could be relieved of making the trip to Florida because of short funds for travel. Dr. Skinner agreed to this.

Dr. Skinner discussed with Mr. Lynch the insufficiency of the data for the sorghum conference on Monday and was given certain additional information by Mr. Lynch. Mr. Lynch advised Dr. Skinner that Mr. Paine had gone to Baton Rouge to discuss with Drs. Kellar and Taggart the development of the sorgho sugar program at Baton Rouge. Later, Dr. Skinner called Mr. Paine at Baton Rouge and discussed with him in some detail the proposed program. Mr. Paine stated that it was the opinion of Dr. Kellar that 20 large growers in the vicinity of Baton Rouge could be expected to plant for the experimental mill as much as 15 acres of sorghum. This would take care of the estimated 300 acres necessary for the production of sorghum in the summer of '44.

The sorghum project was considered in Dr. Auchter's office. Present:

Dr. Salter, Dr. McCall, Mr. Sherwood and Dr. Coons,
representing BPIS&AE
Dr. Skinner and Mr. Speh, representing BIAC
Dr. Auchter, Dr. May, Mr. Marston and Mr. Smoot,
representing ARA

Dr. Skinner presented the breakdown below as a means for providing the money, if Dr. Auchter decided the work must be done.

Feb.1-June 30, 1944

Requirements -

Travel		\$200
Transportation of things		800
Communications		50
Contract - Repair diff.		1200
Supplies & Materials		2500
Equipment		
2 centrifuges	\$10,000	
Motors, etc.	10,000	
Rotary filter	9,000	29000
		<u>33750</u>
Salaries		4250
		<u>\$38000</u>

July 1, 1944-June 30, 1945

Operation \$34000

Proposed source of funds for our part (II)

Period (a) Feb.1-June 30, 1944

July 1-1944 -45

ACR

Southern (Bal.\$23000)	\$10000	\$10000
Veldhuis' salary	1800	4000
S.F.lease	500	1200
Enz, & Phyt.	8000	8000
Hemicellulose	10000	23200
	<u>\$30300</u>	
Naval Stores 7% ?trans.	8000	8000
		<u>38300</u>

Dr. Skinner stated several times that this was a possible means of getting the money but that he did not recommend it. Dr. Skinner suggested to Dr. Auchter that we ought to take the position that the \$65,000 requested of the Bureau of the Budget - and which had been disallowed - should be prorated in some other way or the whole project should be dropped. Dr. McCall and Dr. Salter said that to provide 3000 tons of cane, in their opinion, would require about \$18,000 if 20 large sugar companies could be induced to grow as much as 15 acres each. After further discussion, Dr. Auchter decided to hold the matter in abeyance.

Bureau Staff meeting. Dr. Auchter talked about the relation of the research work to the extension work of the Department, and expressed the opinion that the results of research were not carried into the field as promptly as they might be. He said he talked with the extension people and hope to work out a plan of closer ~~co~~ordination. Dr. Auchter stated that he had contacted Mr. Tarver in regard to the contemplated experimental work of the several bureaus in Alaska but Mr. Tarver said "Nothing doing." Dr. Skinner brought to the attention of the group the situation in regard to deferments and the recommendation of pre-Pearl Harbor fathers, and the telegrams and letter which had been sent to the Departmental Deferment Committee. It was reported that practically all of the bureaus had made their reports to the committee before January 15. Mr. Cardon submitted a copy of the summarized accomplishments for the calendar year 1943, and stated that additional copies were available, if needed. Dr. Skinner instructed Mrs. Jacobs to send copies to the regional laboratories and to others in the field and in the bureau. Dr. Auchter submitted to each Bureau Chief a copy of the combined statement which he proposes to make at the opening session of the appropriations committee. A copy was brought back for consideration and study. (Referred to Speh, Senseman and Donovan) Dr. Auchter then discussed with the staff the investigation to be made by a representative of the House Appropriations Committee and said that he and Mr. Cardon had gone over with the representative, Mr. Appleman, and had ^{outlined} ~~outlined~~ to him the general organization of the ARA. Dr. Auchter said Mr. Appleman would probably be in the office adjoining his office for a period of 2 or 3 weeks, and it was expected that he would visit each of the bureaus for personal contact with the Chief and Assistant Chief. Later, Mr. Appleman was invited into the meeting and made a short statement about the purpose of his work.

Dr. Skinner talked with Mr. Lynch over long distance phone regarding the letter sent to the Civil Service District, New York about the release of Dr. MacLaren of Columbia University.

Mr. Appleman, investigator for the House Appropriations Committee called at 1:30 and talked with Mr. Speh and Dr. Skinner until 5 o'clock, going over briefly the various lines of work in the Bureau's ~~stxxx~~ field laboratories, and also discussing the set up of the office here in Washington. Mr. Appleman asked for certain financial information which was furnished by Miss Preinkert. Mr. Appleman said he would like to return at 2 O'clock on Tuesday to continue the discussion of the three field stations that had not been covered, and said he would like to visit the laboratory of Dr. H. Stevens.

Dr. May called Dr. Skinner to say that he had learned that Dr. Mottern had selected a lawyer by the name of Parker to handle his patent case. Dr. May asked if Dr. Skinner had heard anything about it and he was told this was the first he had heard about it.

Mr. Appleman called and discussed further the work of some of the field stations. At four o'clock he went down to visit the laboratories of Dr. H. Stevens where demonstrations of the allergen work were made for him. He remained with Dr. Stevens until 5:45 and seemed to be much impressed with both the discussions and demonstrations of the work of this Bureau.

Dr. Coghill called and discussed the status of the penicillin work. He said that he was now very hopeful of developing the submerged fermentation process. He expressed the opinion that it had about reached maximum production under the Tray method. Dr. Coghill was told about the development of the project of the synthesis of penicillin and that it had been cleared informally by Judge Tarver and Mr. Cannon of the House Appropriations Committee. The green sheet budget for the work was shown to Dr. Coghill.

Mr. Mottern came in to discuss the application for patent on extraction of ascorbic acid from citrus and other wastes. He said he had been to the Solicitor's office and discussed the matter with Mr. Kramer. Dr. Skinner told him of his adverse report on the securing of a private patent but that he had recommended that Dr. Auchter approve a statement to the Solicitor suggesting that the Bureau prefers the obtaining of a patent assigned to the Secretary.

Dr. Skinner called Mr. Ferris and told him about the postponement of the trip to Clewiston. Mr. Ferris advised that arrangements had been made whenever Dr. Skinner desired to go to Florida. Mr. Ferris suggested that Dr. Skinner contact Mr. Moran one or two days before he expected to reach Clewiston in order that Mr. Moran could make necessary arrangements for him at the company hotel.

Dr. May came over to discuss with Dr. Skinner the allotment of space in the laboratory at Beltsville, and discussed a new line of research work which might be developed to justify the occupancy by the proposed staff of the laboratory space. Dr. May said he would discuss the matter again in a few days with Dr. Skinner and with Mr. Dow.

Mr. Moore, personnel officer of Columbia University, came in to discuss with Dr. Skinner the transfer of Dr. MacLaren and Dr. Notting to the special work directed by Dr. Emmett at Columbia University. Dr. Skinner would not agree to the release of any of the Bureau personnel for the Columbia University or other work, and explained that he looked with disfavor upon the raiding of the Bureau staff to carry on war work elsewhere when all of our program involves war work. In addition to the above, Dr. Skinner pointed out to Mr. Moore that Dr. Shaw, Dr. Makower, Dr. Milner, (of this Bureau) and Dr. Hendricks of BPI, had been contacted by Dr. Emmett, and in no case had these matters been taken up first with the Bureau administrative office. Mr. Moore said that Dean Arnold would be in Washington the next morning and asked if an appointment might be made to discuss the matter with him. The appointment was made for 1:30 in Dr. Skinner's office, and then to discuss the matter further with Dr. Auchter and Dr. May at 2 o'clock.

Dr. Arnold came in to discuss with Dr. Skinner the proposed transfer of members of the Bureau staff to work with Dr. Emmett. The matter was canvassed very thoroughly and Dr. Arnold expressed his sympathy in the position taken in the Bureau in the protection of its scientific staff. Dr. Arnold and Dr. Skinner went to Dr. May's office for a further discussion, and Dr. Arnold said the matter would be held in abeyance until his return from Georgia in about ten days. He had some hopes of getting necessary people from either the University of Virginia or the Officers' Training Camp in Georgia. If not, he would come back to the bureau and have another discussion about Dr. MacLaren and Dr. Notting. Dr. Arnold said if the Bureau could possibly release one or both of these men he would agree that no further solicitation of our staff would be made.

Mr. Donovan was called to Dr. Auchter's office to discuss the proposed allocation of money for the sorghum work if it was decided at a conference with Mr. Tarver on the 28th that the sorghum work must be done, as planned. Upon Mr. Donovan's return, Mr. Paine was contacted on long distance and advised what projects should be called on for an allotment of money.

Friday, January 28, 1944

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Dr. Blanck called to discuss the food inspection and research work in the laboratory of the QMG at Chicago. Dr. Blanck stated that last week he had attended the dedication ceremonies of the laboratory and felt very well satisfied with its development under Col. Doriot.

Meeting called in Dr. Auchter's office to discuss the line projects of the work of the ERRL and BDI, as it effects the use of dairy products in industry. Present at the meeting: Mr. Cardon. Dr. May, Dr. Winters, Mr. Reed and Dr. Skinner. The projects submitted which have been in controversy for several months were discussed by Dr. Auchter, Dr. Skinner, Mr. Reed, Dr. May and Dr. Winters. It was Dr. Auchter's decision that all work on dairy projects for food would be worked on exclusively in BDI; industrial work for utilizing dairy products and byproducts would be, in general, assigned to the ERRL, but it was Dr. Auchter's determination that he would not exclude the BDI from this field of activity. However, he instructed that any projects proposed by BDI should be presented to his office for the determination of any conflict, and if such conflict appeared to be possible, then the work would have to be undertaken on a cooperative basis between the two institutions. He was to confirm this in writing.

Dr. May came over in the afternoon to discuss with Dr. Skinner and Mr. Donovan the utilization of certain laboratory space at Beltsville, and discussed the organization of certain new lines of work which would involve laboratory space in Washington or nearby.

February

Tuesday, February 1, 1944

Bureau Chiefs' Meeting. 9:30 A.M.

Dr. Auchter announced that the hearings before the House Appropriations Committee for the Department would begin February 7. //Dr. Auchter reported on the trip of the Secretary of Agriculture and him to the ERRL. They were both much impressed with the splendid equipment which has been set up for the testing of the production of rubber from guayule, goldenrod and Koh-saghyz. He said the Secretary expressed regret that the work would be closed out June 30.

There was a discussion in Dr. Auchter's office at 11 o'clock in regard to the presentation of the program for sorghum sugar development. Dr. Auchter had reported that he had seen Judge Tarver who was loath to make any commitment about the matter, and simply told Dr. Auchter that he could present it to the Committee which would meet on the 7th, that he, Judge Tarver, did not wish to be responsible for the decision. There was a lengthy discussion by Dr. Salter, Dr. McCall, Mr. Speh, Dr. May and Mr. Smoot and Dr. Skinner. It was decided that if this item came up in the discussion of either the work of the Bureau of BPI or BAIC that a representative of the other bureau would sit in on this phase of the report. Dr. Skinner emphasized again to Dr. Auchter the inadvisability of giving any impression that money could be obtained for carrying out the project by shifts from other work projects. Dr. Skinner expressed the fear that if this was not emphasized we might not be able to convince the committee that the work ought to be done, but that the Department had \$90,000 which it could make available and the result might be that such an amount would be cut from our budget estimates for 1945.

In response to a telegram from Mr. Herrick about the work on the synthesis of penicillin, a long distance call was put in for Mr. Herrick after Dr. Skinner discussed the matter with Dr. May and Mr. Donovan. Mr. Herrick was told that the request for the transfer of the money was now before Dr. Bush, but Dr. Skinner said he could not give authorization for any expenditure of funds until the money was actually transferred - that Mr. Herrick

would have to confine his activities to the study of the structure, which Dr. Skinner understood from Dr. Coghill, was the basis of the synthesis work. Dr. Skinner repeated to Mr. Herrick, with Dr. May joining in the conversation, that the Bureau could not approve the acceptance of obligations by the NRRL on the fund for synthesis until the money had been actually transferred.

Dr. Lee T. Smith discussed with Dr. Skinner the recent development of the methacrylate resin work. He said that very considerable interest was being developed in the production of lactic acid, and he expected this type of plastic to get into large production in the near future.

Dr. L. H. James of the University of Maryland called to discuss with Dr. Skinner the possible cooperation of this Bureau and the University on one of his projects involving the deterioration of leather. It was suggested that he contact Dr. Wells at the Cosmos Club and if Dr. Wells agreed, Dr. James should go to Philadelphia to discuss the matter with Mr. Rogers.

Friday, February 4, 1944

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Dr. Chas. Thom called to discuss with Dr. Skinner the disposal of the Thom-Raper manuscript. He said that he had talked the matter over with Dr. Coghill and Mr. Herrick on Tuesday and they all agreed that the proposal had been improperly handled. Dr. Thom stated that he had suggested that the manuscript which had been prepared on official time should be sent to the Bureau for official disposal. If the Bureau agreed to publish it, all well and good; if not, it might be released to the authors, as three other manuscripts had been released to Dr. Thom and published by him in book form.

Dr. Wells, Mr. Lynch, Dr. May and Dr. Skinner had a luncheon conference. They discussed the Mottern patent in the light of the recent opinion by the Solicitor. Dr. Skinner also advised Dr. Wells of the meeting in Dr. Auchter's office regarding the disposal of the controversy between BDI and the ERRL on the program on the industrial utilization of milk products.

Mr. Lynch discussed with Dr. Skinner the program for sorghum. He was much concerned about the delay and expressed the opinion that even if the money were made available, it is very doubtful if the necessary equipment could be secured by July 1. He pointed out the embarrassing position which the Bureau would be in if 3000 tons of cane were made available by July 15 and we did not have the necessary equipment to run the factory experiments.

Dr. May and Mr. Lynch discussed with Dr. Skinner the results of the conversation which they had the day before with the Rubber Corporation. Verbal report was made by Mr. Babcock on the results of the tests with rayon cord tires. Mr. Babcock promised to submit the written data. Dr. May and Mr. Lynch stated to Dr. Skinner that the comparable tests showed that the tires made under the general supervision of this Bureau in which special cords of wiles cotton were used proved to be superior to similar tires made with rayon. Roughly, the superiority was about one-third.

Tuesday, February 8, 1944

424

Mr. Lynch reported in and discussed the development of the starch work by the U. S. Sugar Corporation. It was decided to send Mr. Dawson to Clewiston to make a report on the development of the starch plant. Mr. Lynch called Mr. Dawson on long distance phone giving necessary directions. - The tire cord work was also discussed. It was decided that Mr. Lynch would stay over until after the hearings.

Dr. May, Mr. Speh, Mr. Donovan and Dr. Skinner were in conference the greater part of the day in budget discussion.

Mr. W. L. DuBois, formerly Chief of the Buffalo Station, F&D Adm, came in to discuss with Dr. Skinner any opening in which he might be interested. He is at present working on a war project at the Bureau of Standards, but feels that he would like to get into something along the line of his training in foods and food technology. Mr. DuBois is a graduate of Ohio State University and is 61 years old. He was advised to write to Mr. Paine but said he was not particularly interested in going anywhere in the South. Dr. Skinner told him he would write to Mr. Paine in regard to his availability. ~~Mr.~~

Mr. Donovan, Mr. Speh and Drs. May and Skinner were in conference most of the day in regard to budget matters.

Thursday, February 10, 1944

426

Drs. May and Skinner, and Messrs. Speh and Donovan conferred regarding budget matters.

Dr. Skinner called Mr. Herrick and Dr. Coghill and advised them that Dr. Richards had now requested to see the three manuscripts of which they had submitted abstracts. In reply, Dr. Coghill said that Dr. Richards had already seen the abstracts and had given his written approval. Dr. Skinner advised Mr. Herrick that he was therefore giving verbal approval and to release them for publication.

Mr. Stacom came in to discuss the development of his new press and said he expected to have the unit in operation the following Monday. He was very enthusiastic about the use of the press for hemlock bark. Dr. Skinner pointed out the possibility of using the press for removing a large part of the water from sweetpotato vines which will be available in the starch development of the U. S. Sugar Company at Clewiston. Mr. Stacom made a note of this.

Mr. Josiah Ferris of the U. S. Sugar Corporation came in to discuss the development at Clewiston regarding the starch plant and left an outline drawing of the building. He said that the company had already spent between \$600,000 and \$800,000 in the plant; that the water tower was about $2\frac{2}{3}$ built and the 24" pipe line had been built for a distance of about 7 miles. He said they had all of the equipment necessary to complete the plant and they expected to be in operation October 1.

Dr. Grewe came in to see Dr. Skinner and explained the difficulty of her position in Madison. She said that she was forced to work in a room with three graduate students who were noisy and inconsiderate, continually whistling and singing, and that she did not feel she could do any decent work under such conditions. Dr. Skinner told her of course he had nothing to do with it; that she was no longer in this Bureau, and that she should make her complaints to Dr. McCall. Dr. Skinner expressed to Dr. Grewe the opinion that Dr. McCall would do everything to make her work pleasant and profitable.

Mr. W. B. Sarles called to ask if Dr. Willaman could come to Baltimore for a one day meeting about ~~the~~ a secret war project. The Federal Security would pay all expenses. Dr. Skinner gave his verbal approval but told Mr. Sarles that he would like to have a letter setting forth the request for the service.

Dr. Skinner called Dr. Wells to advise him about the request of Mr. Sarles for Dr. Willaman to go to Baltimore for a very secret and special meeting on a war time project. It was explained to Dr. Wells that the Federal Security would pay all expenses. Sarles had been in touch with Willaman, and the meeting has been set for February 17.

Dr. Auchter presided. 62

Reference was made to a group of letters addressed to various bureau chiefs of ARA from the Office of Information, requesting that various bureaus ask the Secretary to transfer to the Office of Information to defray the motion picture program ending June 30, 1944, the following amounts:

BAIC	\$ 800
BAI	1,500
BDI	400
BE&PQ	1,700
BHE&HN	700
BPISAE	2,400
	<hr/>
	\$7,500

It was decided that a representative of the Office of Information be requested to attend a special meeting of the bureau chiefs to be held in Dr. Auchter's office Monday, February 21 to discuss the proposed motion picture program.

There was discussion of the letters addressed to the various agencies of the ARA from the Bureau of the Budget recommending certain consolidation of budget items. Each bureau was asked to be prepared to discuss and comment at the regular meeting of bureau chiefs, March 21.

The letter from Dr. Ezekiel to each bureau chief asking that a list of suitable men be furnished to build up the Food and Agricultural Organization of the United Nations was discussed. It was suggested that such lists be prepared in two groups: (1) key men by professions, such as entomologists, etc.; (2) specialists on commodities or groups of commodities.

March

Mr. Albert K. Baylow, General Manager of the Citrus Division, Nutro-Chem Corporation, N.Y.C. called to see Dr. Skinner and to enquire regarding the status of the Mottern patent for the extraction of ascorbic acid from citrus peel. He said that as affiliate of the Pasco Packing Corporation of Dade City, Florida, he had had occasion to see the correspondence between that company and Dr. Mottern. He stated that he had noted in the files of the Pasco Company communications from Dr. Mottern on the same subject written on the same day, specifically, December 8, regarding the process, some letters being written on Government stationery and others written on private stationery. Mr. Baylow intimated that Dr. Mottern had been playing at cross purposes with the Pasco Packing Corporation and with his company which had applied for a patent on the method for extracting ascorbic acid. He said that Mottern had sold his rights to the patent to the Permutit Company and the latter company had recently offered to consolidate their interests with the Nutro-Chem Corporation, but upon his advice this offer was declined. He said that he had understood that Mottern's application was already in the Patent Office and that his company had instructed his attorneys to file an interference in the usual way. He stated that he had records of conversations with Mottern in which the extraction of ascorbic acid was discussed and Mottern had expressed the opinion that there was no possibility of getting any worthwhile ascorbic acid out of citrus peel. Mr. Baylow who was originally in the Dept. of Agriculture, stated that he was somewhat embarrassed to call this matter to ~~Dr. Skinner's~~ ^{Dr. Skinner's} attention but he did not think that Dr. Mottern was acting fairly with either his company or with the Department. He said he would have no objection to showing the correspondence between Mottern and the Pasco Packing Corporation, but that he had left all of the papers at Dade City. He offered to get them and let Dr. Skinner see them sometime in the near future.

At a meeting in Dr. Auchter's office the proposed liquidation of the natural rubber projects was fully considered. Based on a statement from Mr. Francis McDonnell of the Salinas Station to Mr. Salmond, it was indicated that it would require about \$14,000 for the fiscal year 1945 to close up reports of the Eastern Regional Laboratory.

Dr. Skinner conferred with Dr. Woodbury and Mr. Ray W. Kuneman in regard to the reports to be made by Mr. Hall on the progress of the studies on concentrated orange juice at New Orleans and Winter Haven. Dr. Skinner told Mr. Kuneman he might write ~~to~~ Mr. Hall for such reports but that he would like to receive carbon copies of such correspondence. Dr. Skinner pointed out to Mr. Kuneman the necessity for taking up with the Chief of the Bureau any increased expenditure of funds or enlargement of the program of work. This Mr. Kuneman agreed to.

Dr. Skinner, Dr. Woodbury and Mr. Kueneman continued the discussion of yesterday regarding a report on the work by Mr. Hall. Dr. Skinner agreed to send necessary instructions to Mr. Hall.

Dr. May came over to discuss with Dr. Skinner the directive on the penicillin survey proposed by the NRRL. He agreed to the desirability, and it was decided that Mr. Herrick would be advised by phone.//Dr. Skinner called to Dr. May's attention the information that came from Mr. Baylow regarding the Mottern patent. Dr. Skinner read to Dr. May the memorandum in the journal of March

Dr. Skinner called Mr. Herrick on the phone and told him of the approval of the directive regarding the penicillin survey which it is proposed to issue by the NRRL. Dr. Skinner also explained the reason for calling the directors' conference on March 21, and told Mr. Herrick that a letter covering the matter in further detail would be sent to him and to the other directors.

Dean Hutchinson from California called to see Dr. Skinner to discuss the relationship between the University of California and the WRRL.

Lt. E. E. Gallahue, USVR, called on Dr. Skinner to discuss the construction and operation of small sugar mills in the Islands of the South Pacific which had been recovered from the Japanese. Lt. Gallahue was introduced to Dr. Browne for further discussion of the matter.

Dr. Skinner discussed with Dr. Auchter in the latter's office the reports of his observations in Florida, with special reference to the \$50,000 which the Florida Citrus Commission and others are asking of the House Appropriations Committee. The background of this effort was discussed as well as the disturbing rumors about the removal of the Winter Havel Station to either Orlando or New Orleans. Dr. Auchter stated emphatically that he had never said anything to give color to any such rumor and he could not understand how it continued to persist. Dr. Auchter and Dr. Skinner then went to lunch and continued the discussion of the work in the South. During this discussion Dr. Auchter said it would be agreeable to have Dr. Skinner's announced retirement to appear as planned by Mr. Teuton and Mr. Hambidge as of March 15. That the announcement regarding the appointment of the new Chief would follow the next week. Dr. Skinner suggested to Dr. Auchter that the announcement of the appointment of the new Chief should be made to the Directors at the meeting on March 21. To this Dr. Auchter agreed, saying that he had the signed appointment in his desk.

Dr. Woodbury, Mr. Kueneman, Mr. D. S. McMillan came to Dr. Skinner's office and with Mr. Speh discussed the possibility of placing three inspection men in the laboratory at New Orleans until perhaps August 1 to check on the operation of the plant producing concentrated orange juice. It was suggested to Mr. Kueneman that the attempt ^{be made} to make arrangements elsewhere, either at Gainesville or Rollins College, which he consented to do. He was told if there were no other facilities available the matter might be considered further. Mr. Kueneman and Dr. Woodbury then brought up the question of speeding up the research program on the orange concentrate work and Mr. Kueneman expressed the opinion that some money might be allotted from WFA for the purpose but that he would discuss it with Mr. Wyckoff and Personnel. After the meeting Dr. Skinner called Dr. May and discussed the matter. Dr. May expressed the hope that arrangements might be made for the facilities elsewhere than in the Southern Laboratory. Dr. Skinner then called the SRRL and discussed the matter with Messrs. Hall, Paine and Lynch. Mr. Hall said that if three people for inspection work were placed in his laboratory there would be little room left for two additional bacteriologists which he plans on putting on for research work, if the money can be obtained.

Dr. Steibeling called to discuss the probable appointment of Dr. DeBord in the Bureau of Human Nutrition and Home Economics. Dr. Skinner explained to Dr. Steibeling Dr. DeBord's ability and background, and told her that he felt that Dr. DeBord's work needed to be under direct supervision - that he had splendid training under Dr. Thom and was regarded in the Bureau as an excellent laboratory man, but that his talents as a contact man were quite limited.

Sam Broadbent of the Bureau of the Budget was in to see Mr. Donovan and called to pay his respects to Dr. Skinner, as he had heard about the latter's retirement.

Mrs. Marion Kies called to discuss with Mr. Teuton, Mr. Speh, Mr. Donovan and Dr. Skinner the status of a Note which she was offering for publication in SCIENCE. She said that she desired to have Dr. Balls' name appear with hers as a joint-author of the Note. This was finally agreed to, provided Dr. Balls did not shoe his relation with the Bureau but that he and Mrs. Kies appear as authors of the Note representing the George Washington University.

Mr. Thomas and Mr. McMillan (WFA) called to discuss with Mr. Speh and Dr. Skinner the availability of funds for limited research work on the cause of the spoilage of concentrated orange product. Dr. Skinner indicated to Mr. Thomas that to provide for two people with necessary travel would involve not less than \$7500, and some additional money would have to be provided for special equipment. Mr. Thomas said that they had expected to set aside from \$10,000 to \$15,000. After a full discussion it was decided to set up a program for the expenditure of not less than \$15,000 of an allotment to be transferred to the Bureau by WFA. The outline of the projected research is/s follows:

- I. Investigation of causes of deterioration and spoilage concentrated orange juice.
 - (a) Chemical reaction
 - (b) Micro-biological reaction
- II. Incidence of spoilage.
 - (a) time and temperature relationship with respect to chemical breakdown
 - (b) source of micro-biological infection
- III. Preventative procedure.

Consideration should be given to work in progress, possible expansion or acceleration of such work, and utilization of Lend-Lease funds in connection therewith.

Mr. McMillan and Mr. Thomas agreed to have a written statement presented by WFA to ARA by tomorrow morning, assuring the allotment of funds. Dr. Skinner was to take up the matter by phone with Mr. Paine in order to have a green sheet breakdown of the proposed expenditures.

Dr. Skinner and Mr. Speh discussed with Mr. Paine the breakdown of the \$15,000 proposed allotment from WFA to carry on the research work on concentrated orange product. Mr. Paine was instructed to submit the estimate and breakdown for the expenditure of the \$15,000 during the remainder of this year and next fiscal year so far as needed. Mr. Paine said that if two additional bacteriologists were put on for the research work it would be very difficult to undertake the accommodation of the three additional persons in the inspection work. Mr. McMillan said that he had in mind one bacteriologist already in the WFA service who might be considered as available for the work of Mr. Hall.

Miss Hill of the Press Service, AAA, called to interview Dr. Skinner as to his ideas regarding the post-war need for many of the agricultural products which were now being produced in largely increased amounts, such as soybeans, peanuts and various vegetables and oil bearing plants. Dr. Skinner expressed the opinion that for a few years after the collapse of the war in Europe, it would be natural to expect a tremendously heavy demand upon the world's food supply to rehabilitate the starving people, especially of the Continent of Europe. He told Miss Hill that there was a very strong feeling in this country to aid in rehabilitation and to play the part of Good Samaritan, but that there was a very distinct evidence of development of caution, based on the idea that charity begins at home and that it would be disastrous to deplete the soil resources, forestry resources and other material resources of the United States to the extent that our children, grandchildren, and beyond might suffer, even though the Good Samaritan sentiment would dictate that we give to the utmost of our ability.

Tuesday, March 21, 1944

At the Bureau Chiefs' meeting, Dr. Auchter announced the retirement of Dr. Skinner and expressed his appreciation of work which had been done in the BAIC. He also announced the appointment of Dr. O. E. May as Dr. Skinner's successor.

Dr. Auchter brought up the matter of postwar surveys and a request from Dr. Tolley and Mr. Smith, and also from Dr. Ezekiel regarding the assignment of men from the research units to make such surveys. The consensus of opinion of the Bureau Chiefs seemed to be that it was unwise to detail research men for such a purpose but that after surveys had been made by economists or engineers, it would be desirable to have the report submitted to the experts in various lines for comment and criticism.

Regional Laboratory Directors and Bureau officials conferences 11:15 A.M. to 1 P.M. and 2:00 P.M. to 5:00 P.M.

Wednesday, March 22, 1944

L. M. Tolman of Wilson and Co., Chicago called to see Dr. Skinner to discuss the post war needs for food. Mr. Tolman agreed with Dr. Skinner that if the war effort in Europe should suddenly collapse with the defeat of the Germans, that England and America could not afford to have the hungry horde in Europe develop a condition fo anarchy, and it would therefore be necessary to get some kind of food to the starv~~ing~~ing people. It was the opinion that there would be a demand for all of the vegetable and mineral food that could be produced in the Americas. This may mean that there will be no food for cattle, poultry and hogs. Such a condition~~s~~ would be a serious matter for the packing interests.

Dr. F. C. Blanck of the H. J. Heinz Co. came in to see Dr. Skinner and discussed the change of program necessitated by the increased demand for Lend Lease foods.

Continued sessions of Laboratory Directors and Bureau officials.

Monday, March 27, 1944

Dr. Aucher and Dr. May came over to see Dr. Skinner about some of the plans for his retirement. Dr. Auchter invited Dr. Skinner to accept an appointment as collaborator with the Bureau after his retirement, and offered to make available office or laboratory space and stenographic and clerical help. Dr. Skinner expressed to Dr. Auchter and Dr. May his appreciation of the offer but said that he had made rather definite plans for his activities after his retirement - that he expected to write several books and planned to be at the Cosmos Club on Tuesdays and Thursdays, and could be contacted in the library of the Club. Dr. Skinner told Dr. Auchter that he thought perhaps it would be unwise for him to have any contact with the Department because he had several offers to act in a consulting capacity for industrial interests and it might be embarrassing both to the Department and to him if he had any official connection with the Department. Dr. Skinner expressed to Dr. Auchter and Dr. May his willingness to be called upon at any time for advice or information which he might have of value and hoped that they would feel free to do so. Dr. Auchter suggested that Dr. Skinner's decision did not have to be final and perhaps he would change his mind in five or six months, and the question could be opened again.

Dr. McLaren came in to discuss with Dr. Skinner his contacts with Dr. Emmett. After the interview Dr. Skinner prepared a memorandum, copy of which will be found in the Personnel file of the Bureau.

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